EDAC

EDACPOWER ELECTRONICS CO., LTD.

2020

www.edac.com.tw

COMPANY PROFILE

With more than 20 years- experience in Standard & Custom-Made Solutions, **EDACPOWER** is a professional manufacturer for the power supply all over the world.

We serve in the power supply field since 1998, with wide range of Industrial switching power supply, USB Type-C Adapter, Medical switching adapter, DC/DC converter, Battery charger, Open frame, and Down-sized adapter.

EDACPOWER's head office is located in Taipei, Taiwan, focuses on general management, finance, and R&D development. The designs developed by our R&D team turn into products in three production facilities, and over 1,000 staffs in Suzhou, Dongguan, and Taiwan. Our spirit is to build up win-win business and power on your future.

EDACPOWER
Electronics Co., Ltd.

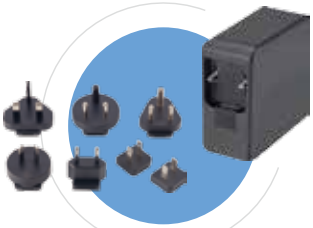
Establish in 1998

Switching Adapter & Power Supply

ITE/MME

Medical

USB Type-C



EDAC

DC/DC Converter

Battery Charger

Open Frame

What's NEW

USB Type-C Adapter

EA1045(S) / EA1062(S) / EA1103 / ED1046P

- Output Power: 30W~100W
- Output Voltage: 5/9/12/15/20VDC

Down-Sized Adapter

EA1044 / EA1073 / EA1093 / EA1130
EA1152 /EA1181 / EA1330

- Output Power: 25W~330W
- Output Voltage: 5V~56V

ITE/MME

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ITE/MME

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ITE/MME

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USB Type-C

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USB Type-C

Medical

Medical

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DC/DC Converter

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DC/DC Converter

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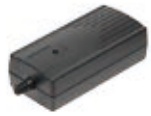	**ED1062 Series**	DC/DC Switching Converter	• 90W Max.	59
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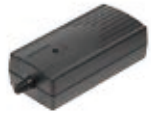	**ED1010 Series**	DC/DC Switching Converter	• 120W Max.	64

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Battery Charger

Open Frame

Appendix

EA1005 Series

• 4.5~6W Max.

AC/DC Wall Mount Adapter

Vertical (USB & SR Type)

Horizontal (USB & SR Type)

Features

- 100-240VAC Universal Input
- Protections :
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1005 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1005A	6W	5~8V	0A	1.2A	± 5%	± 1%	100mV
EA1005B	6W	9~12V	0A	0.66A	± 5%	± 1%	180mV
EA1005C	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EA1005D	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.6A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

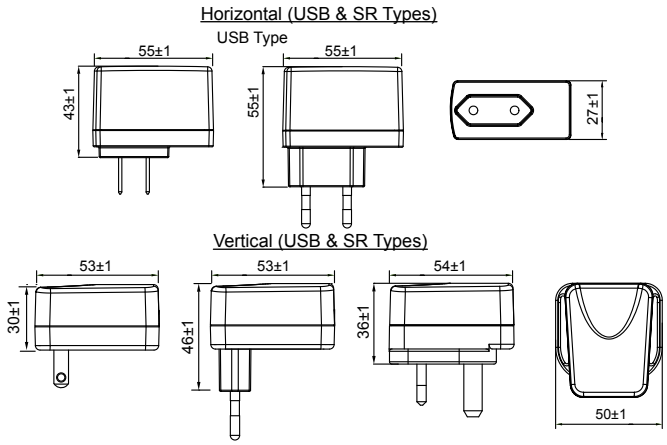
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA, EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1005 Series

• 4.5~6W Max.

AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1005 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1005A	6W	5~8V	0A	1.2A	± 5%	± 1%	100mV
EA1005B	6W	9~12V	0A	0.66A	± 5%	± 1%	180mV
EA1005C	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EA1005D	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.6A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

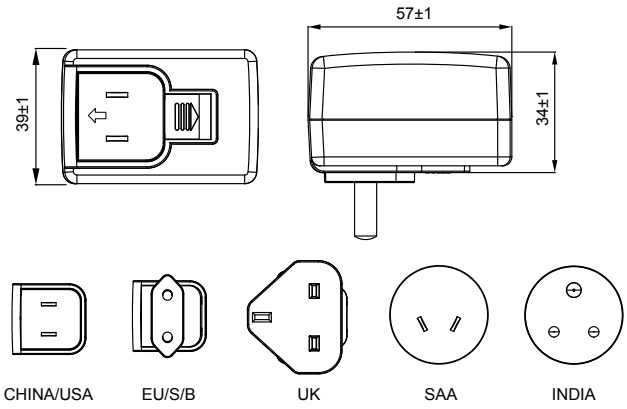
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1012 Series

• *12W Max.*

AC/DC Wall Mount Adapter

Vertical (USB & SR Type)

Horizontal (USB & SR Type)

Features

- 100-240VAC Universal Input
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1012 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1012A	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EA1012B	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EA1012C	12W	12~17V	0A	1.0A	± 5%	± 1%	250mV
EA1012D	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

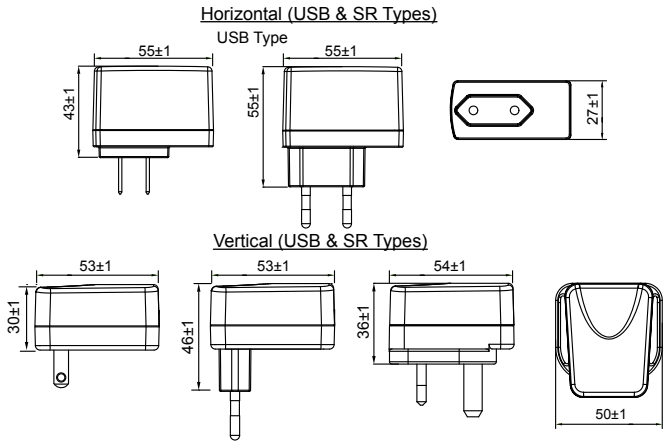
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA, EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1012 Series

• *12W Max.*

AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1012 X Y R T - vv PP

X: Output range
Y: Case type (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1012A	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EA1012B	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EA1012C	12W	12~17V	0A	1.0A	± 5%	± 1%	250mV
EA1012D	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

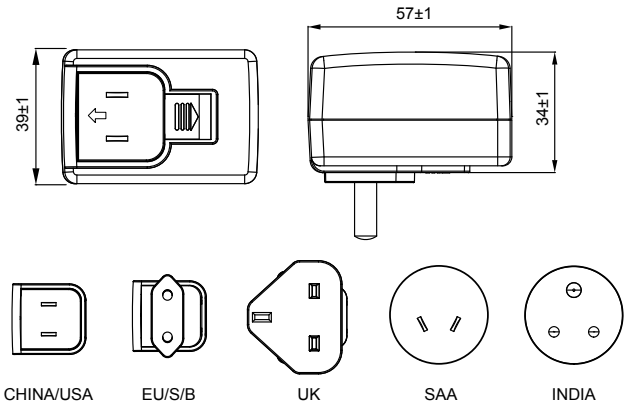
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, PSB, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1019 Series

• 15~24W Max.

AC/DC Wall Mount Adapter

Features

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1019 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC Plug: • U: USA • E: EU • K: UK • A: SAA • C: China
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1019A	15W	5-8V	0A	3.0A	±5%	±1%	100mV
EA1019B	20W	9-13V	0A	2.0A	±5%	±1%	180mV
EA1019C	20W	14-19V	0A	1.42A	±5%	±1%	200mV
EA1019D	20W	20-27V	0A	1.0A	±5%	±1%	250mV
EA1019E	20W	28-35V	0A	0.71A	±5%	±1%	280mV
EA1019F	20W	36-48V	0A	0.55A	±5%	±1%	360mV
EA1019G	18W	5-8V	0A	3.0A	±5%	±1%	100mV
EA1019H	24W	9-13V	0A	2.0A	±5%	±1%	180mV
EA1019J	24W	14-19V	0A	1.71A	±5%	±1%	200mV
EA1019K	24W	20-27V	0A	1.2A	±5%	±1%	250mV
EA1019M	24W	28-35V	0A	0.85A	±5%	±1%	280mV
EA1019N	24W	36-48V	0A	0.66A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.8A
• Inrush Current	40A/100VAC 80A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

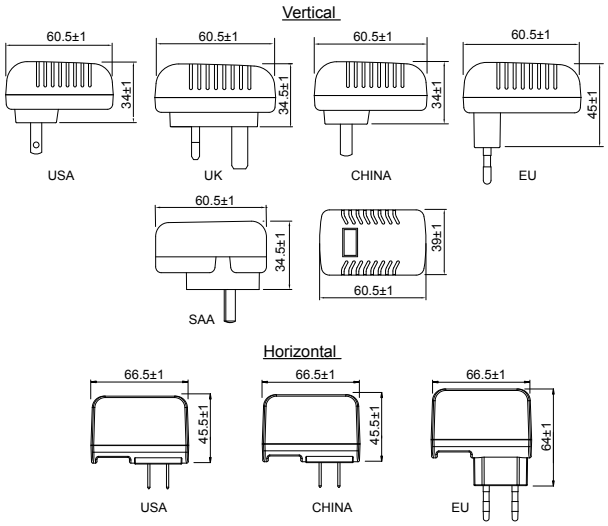
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: Vertical: 60.5L x 39W x 34H (mm)
  Horizontal: 66.5L x 26W x 45.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, Argentina

EA1019 Series

• *15~24W Max.*

AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1019 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1019AVRS	15W	5-8V	0A	3.0A	±5%	±1%	100mV
EA1019BVRS	20W	9-13V	0A	2.0A	±5%	±1%	180mV
EA1019CVRS	20W	14-19V	0A	1.42A	±5%	±1%	200mV
EA1019DVRS	20W	20-27V	0A	1.0A	±5%	±1%	250mV
EA1019EVRS	20W	28-35V	0A	0.71A	±5%	±1%	280mV
EA1019FVRS	20W	36-48V	0A	0.55A	±5%	±1%	360mV
EA1019GVRS	18W	5-8V	0A	3.0A	±5%	±1%	100mV
EA1019HVRS	24W	9-13V	0A	2.0A	±5%	±1%	180mV
EA1019JVRS	24W	14-19V	0A	1.71A	±5%	±1%	200mV
EA1019KVRS	24W	20-27V	0A	1.2A	±5%	±1%	250mV
EA1019MVRS	24W	28-35V	0A	0.85A	±5%	±1%	280mV
EA1019NVRS	24W	36-48V	0A	0.66A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.8A
• Inrush Current	40A/100VAC 80A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

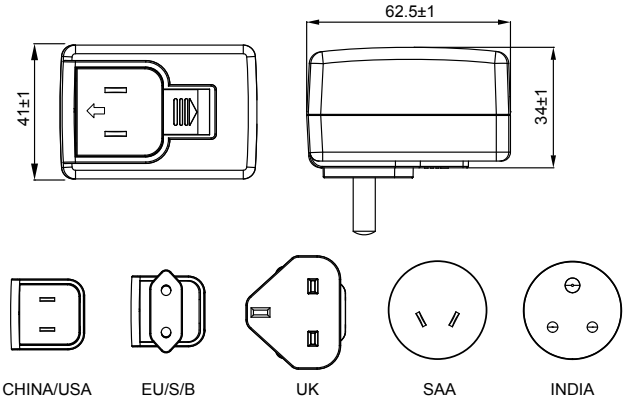
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 62.5L x 41W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 150g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1024 Series

• 16~36W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator (optional)
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1024 X Y - vv PP

X: Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AY	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EA1024BY	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EA1024CY	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EA1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EA1024EY	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EA1024FY	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EA1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EA1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EA1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EA1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EA1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EA1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EA1024PY	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EA1024QY	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EA1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

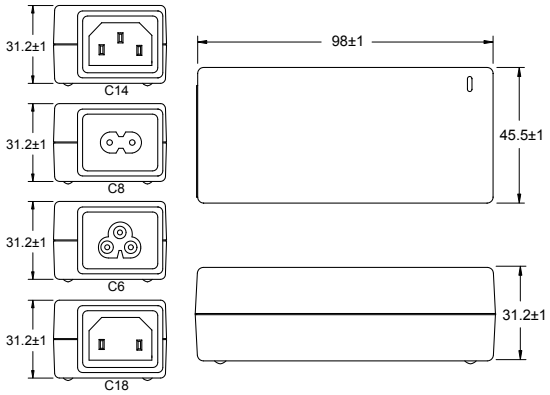
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina

EA1024 Series

• 16~36W Max.

AC/DC Wall Mount Adapter

Features

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1024 X Y - vv PP

X: Output range
Y: AC plug: • U: USA • E: EU • K: UK • A: SAA
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AY	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EA1024BY	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EA1024CY	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EA1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EA1024EY	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EA1024FY	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EA1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EA1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EA1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EA1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EA1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EA1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EA1024PY	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EA1024QY	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EA1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

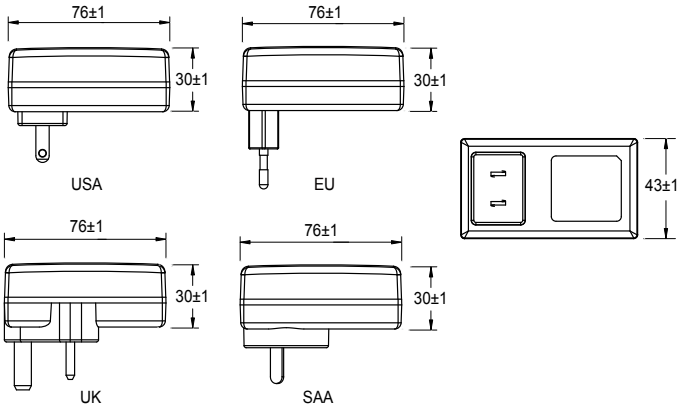
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 76L x 43W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, CU, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1024 Series

• *16~36W Max.*

AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1024 X R - vv PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AR	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EA1024BR	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EA1024CR	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EA1024DR	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EA1024ER	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EA1024FR	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EA1024GR	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EA1024HR	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EA1024JR	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EA1024KR	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EA1024MR	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EA1024NR	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EA1024PR	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EA1024QR	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EA1024RR	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

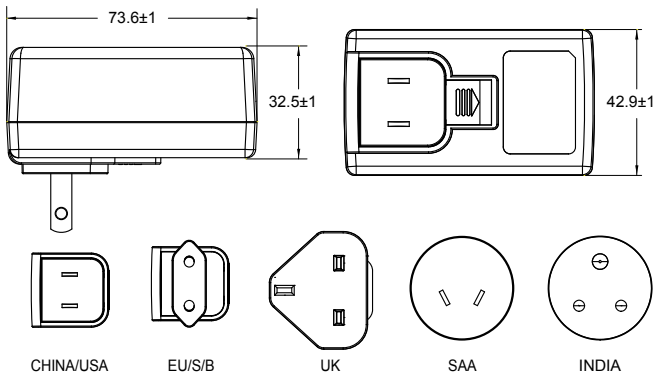
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, NRCAN

EA1026 Series

• 30W Max.

AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI)
- MTBF > 100,000 hours

EA1026 X R - vv PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1026GR	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EA1026HR	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EA1026JR	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EA1026KR	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EA1026PR	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EA1026QR	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EA1026RR	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

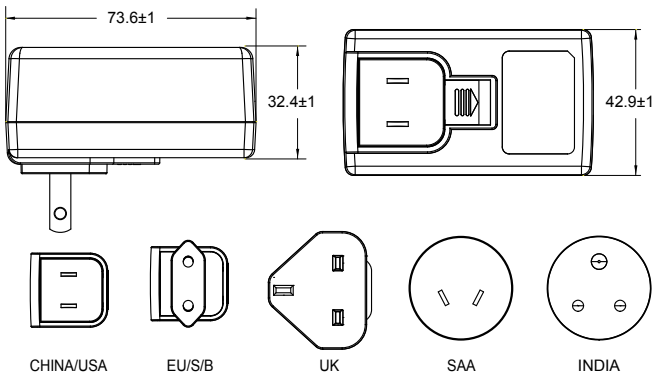
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 73.6L x 42.9W x 32.4H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1044 Series

• 25~48W Max.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- LED Indicator (optional)
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over Temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1044 X Y - vv PP

X: AC inlet: 2. C8 3. C6
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1044xA	25W	5V~9V	0A	5A	±5%	±1%	130mV
EA1044xB	36W	9V	0A	4A	±5%	±1%	130mV
EA1044xC	45W	12V~16V	0A	3.75A	±5%	±1%	180mV
EA1044xD	40W	12V~16V	0A	3.33A	±5%	±1%	180mV
EA1044xE	35W	12V~16V	0A	2.91A	±5%	±1%	180mV
EA1044xF	45W	18V~24V	0A	2.5A	±5%	±1%	250mV
EA1044xG	40W	18V~24V	0A	2.22A	±5%	±1%	250mV
EA1044xH	35W	18V~24V	0A	1.94A	±5%	±1%	250mV
EA1044xJ	48W	32V~42V	0A	1.50A	±5%	±1%	350mV
EA1044xK	40W	32V~42V	0A	1.25A	±5%	±1%	350mV
EA1044xM	48W	44V~48V	0A	1.09A	±5%	±1%	480mV
EA1044xN	40W	44V~48V	0A	0.90A	±5%	±1%	480mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

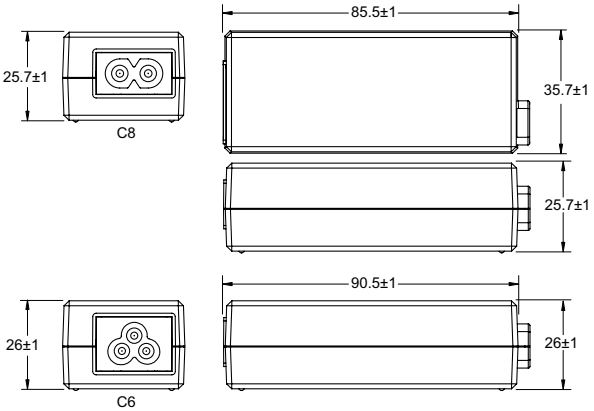
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 85.5L x 35.7W x 25.7H (mm) for C8 AC Inlet
  90.5L x 35.7W x 26.0H (mm) for C6 AC Inlet
- AC Inlet: C8, C6
- Weight: 160g±10g

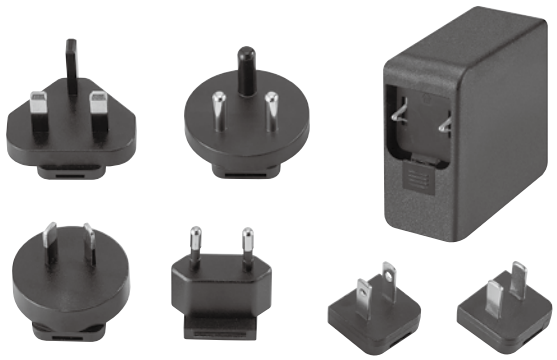
SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, RCM, KC, BIS, CU, PSB, Argentina

EA1045S Series

• 36~48W Max.

AC/DC Interchangeable Adapter



Features

- 100-240VAC Universal Input
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1045S X R - vv PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045SDR	36W	5~9V	0A	5.0A	±5%	±1%	100mV
EA1045SER	45W	10~17V	0A	3.5A	±5%	±1%	240mV
EA1045SFR	45W	18~26V	0A	2.5A	±5%	±1%	360mV
EA1045SGR	45W	27~40V	0A	1.66A	±5%	±1%	560mV
EA1045SHR	48W	41~56V	0A	1.17A	±5%	±1%	640mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

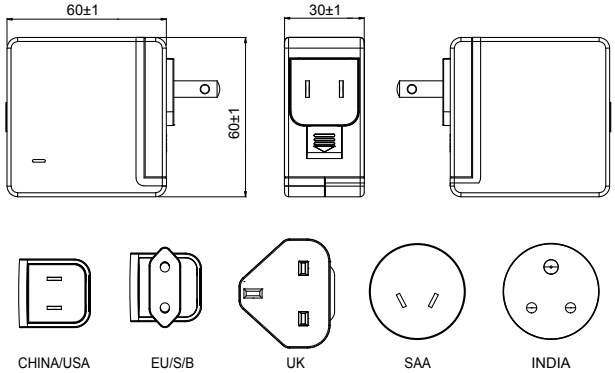
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 60L x 60W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 190g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, CU

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level V
- No Load Power Consumption ≤ 0.3 W
- MTBF > 100,000 hours

EA1047 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1047A	36W	12V~17V	0A	3.0A	± 5%	± 1%	240mV
EA1047B	45W	19V~24V	0A	2.36A	± 5%	± 1%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	80A/100VAC 160A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

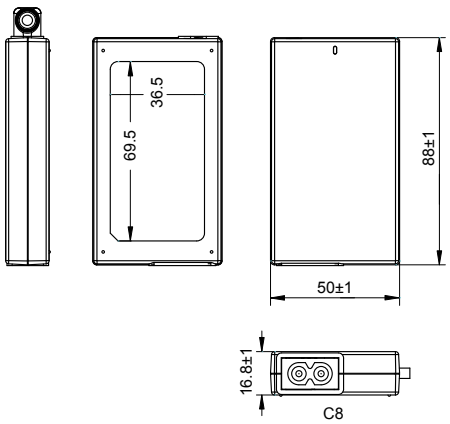
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 88L x 50W x 16.8H (mm)
- DC Input: UL1185*18AWG (Ground overstriking)1200mm
- Weight: 290g

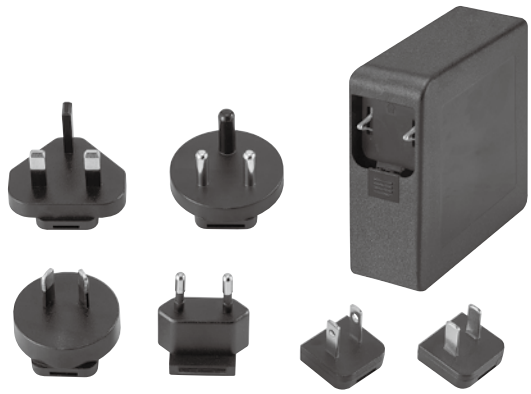
SAFETY

- Certified for whole series: cTUVus 60950-1, TUV EN 60950-1, CB IEC60950-1, FCC, CE

EA1062S Series

• 60~65W Max.

AC/DC Interchangeable Adapter



Features

- 100-240VAC Universal Input
- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF >100,000 hours

EA1062S X R - vv PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062SCR	65W	18V~24V	0A	3.61A	±5%	±1%	360mV
EA1062SDR	60W	18V~24V	0A	3.33A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

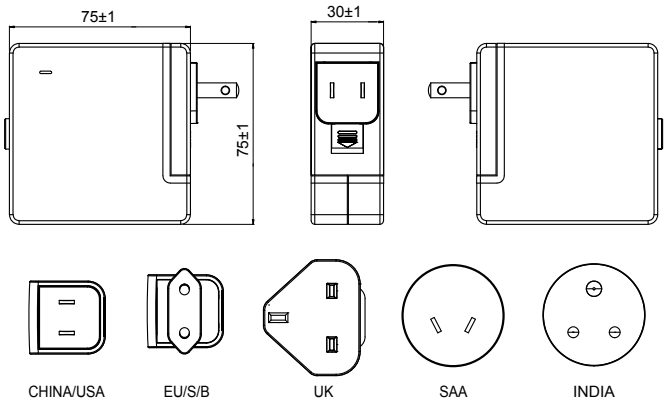
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 75 x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 250g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1068 Series

• 25~72W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over Temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption
  Less than 50W: ≤ 0.1W (VI), ≤ 0.075W (Tier II)
  More than (includes) 50W: ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1068 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1068xA	25W	5V~9V	0A	5.0A	± 5%	± 1%	180mV
EA1068xB	40W	12V~16V	0A	3.33A	± 5%	± 1%	240mV
EA1068xC	40W	18V~24V	0A	2.10A	± 5%	± 1%	360mV
EA1068xD	40W	32V~42V	0A	1.25A	± 5%	± 1%	630mV
EA1068xE	40W	44V~56V	0A	0.90A	± 5%	± 1%	840mV
EA1068xF	30W	5V~9V	0A	6.0A	± 5%	± 1%	180mV
EA1068xG	50W	12V~16V	0A	4.16A	± 5%	± 1%	240mV
EA1068xH	50W	18V~24V	0A	2.63A	± 5%	± 1%	360mV
EA1068xJ	50W	32V~42V	0A	1.56A	± 5%	± 1%	630mV
EA1068xK	50W	44V~56V	0A	1.13A	± 5%	± 1%	840mV
EA1068xW	40W	5V~9V	0A	8.0A	± 5%	± 1%	180mV
EA1068xM	35W	5V~9V	0A	7.0A	± 5%	± 1%	180mV
EA1068xN	60W	12V~16V	0A	5.0A	± 5%	± 1%	240mV
EA1068xP	60W	18V~24V	0A	3.15A	± 5%	± 1%	360mV
EA1068xQ	60W	32V~42V	0A	1.87A	± 5%	± 1%	630mV
EA1068xR	60W	44V~56V	0A	1.36A	± 5%	± 1%	840mV
EA1068xY	65W	12V~16V	0A	5.42A	± 5%	± 1%	240mV
EA1068xS	45W	5V~9V	0A	9.0A	± 5%	± 1%	180mV
EA1068xU	72W	12V~16V	0A	6.0A	± 5%	± 1%	240mV
EA1068xV	72W	18V~24V	0A	3.78A	± 5%	± 1%	360mV
EA1068xL	72W	32V~42V	0A	2.25A	± 5%	± 1%	630mV
EA1068xT	72W	44V~56V	0A	1.63A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	80A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

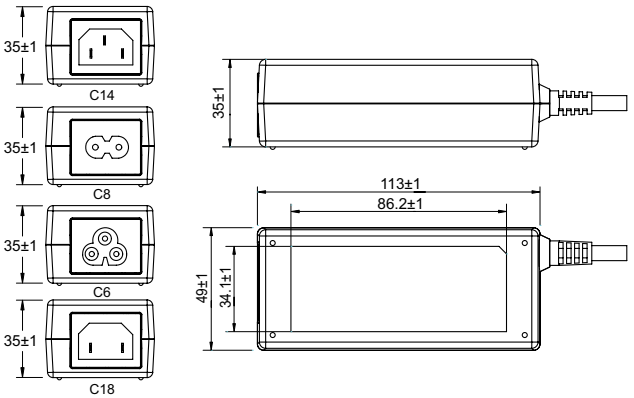
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off / Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1071 Series

• 50~70W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LPS Compliance
- Protections :
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level V
- No Load Power Consumption ≤ 0.5W
- MTBF > 100,000 hours

EA1071 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1071A	70	15~24V	0A	4.0A	± 5%	±1%	350mV
EA1071B	65	15~24V	0A	4.0A	± 5%	±1%	350mV
EA1071C	50	12~17V	0A	4.16A	± 5%	±1%	240mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	80A/100VAC 160A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

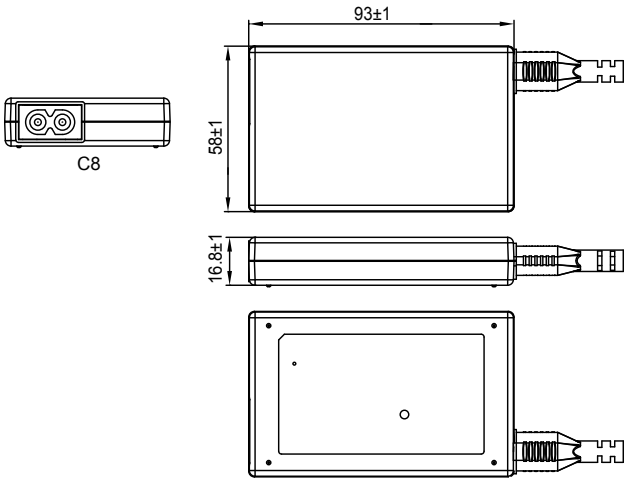
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 93L x 58W x 16.8H (mm)
- AC inlet: C8
- Weight: 350g

SAFETY

- Certified for whole series: cTUVus 60950-1, TUV EN 60950-1, CB IEC 60950-1, CE
- Certified for assigned models: BSMI, PSE, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption
  Less than 50W : ≤ 0.1W(VI), ≤ 0.075W (Tier II)
  More than (includes) 50W: ≤ 0.21W(VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1073 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1073xA	40W	12V~18V	0A	3.33A	±5%	±1%	240mV
EA1073xB	40W	19V~24V	0A	2.10A	±5%	±1%	360mV
EA1073xC	40W	32V~42V	0A	1.25A	±5%	±1%	630mV
EA1073xD	40W	44V~56V	0A	0.90A	±5%	±1%	840mV
EA1073xE	50W	12V~18V	0A	4.16A	±5%	±1%	240mV
EA1073xF	50W	19V~24V	0A	2.63A	±5%	±1%	360mV
EA1073xG	50W	32V~42V	0A	1.56A	±5%	±1%	630mV
EA1073xH	50W	44V~56V	0A	1.13A	±5%	±1%	840mV
EA1073xJ	60W	12V~18V	0A	5.0A	±5%	±1%	240mV
EA1073xK	60W	19V~24V	0A	3.15A	±5%	±1%	360mV
EA1073xW	60W	32V~42V	0A	1.87A	±5%	±1%	630mV
EA1073xM	60W	44V~56V	0A	1.36A	±5%	±1%	840mV
EA1073xN	65W	12V~18V	0A	5.41A	±5%	±1%	240mV
EA1073xP	65W	19V~24V	0A	3.42A	±5%	±1%	360mV
EA1073xQ	65W	32V~42V	0A	2.03A	±5%	±1%	630mV
EA1073xR	65W	44V~56V	0A	1.47A	±5%	±1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	≤ 60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off (optional)

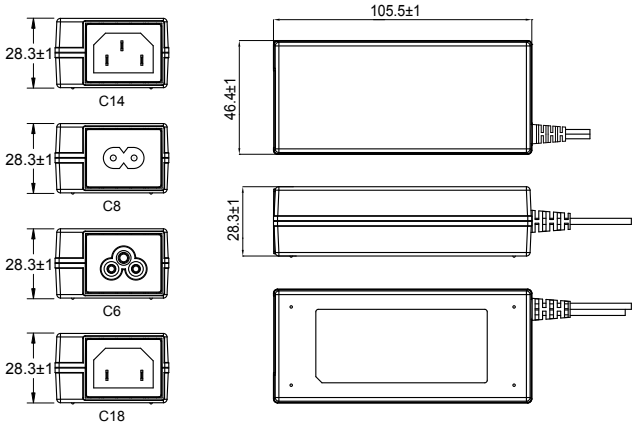
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models : BSMI, PSE, KC, BIS

Mechanical Specification

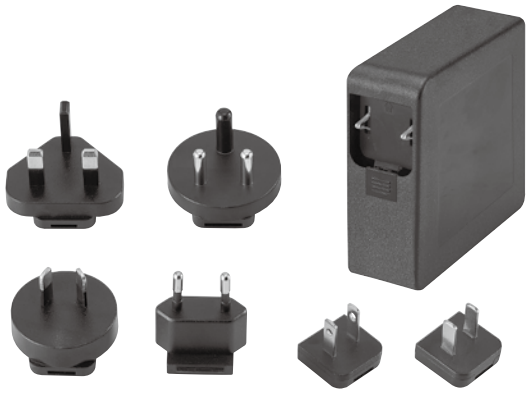


- Case Size: 105.5L x 46.4W x 28.3H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

EA1091S Series

• 80~100W Max.

AC/DC Interchangeable Adapter



Features

- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1091S X R - vv PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1091SAR	80W	12~17V	0A	6.66A	± 5%	± 1%	270mV
EA1091SBR	80W	18~24V	0A	4.44A	± 5%	± 1%	350mV
EA1091SCR	80W	25~32V	0A	3.20A	± 5%	± 1%	450mV
EA1091SDR	80W	33~43V	0A	2.42A	± 5%	± 1%	650mV
EA1091SER	80W	44~56V	0A	1.81A	± 5%	± 1%	750mV
EA1091SFR	90W	12~17V	0A	7.50A	± 5%	± 1%	270mV
EA1091SGR	90W	18~24V	0A	5.00A	± 5%	± 1%	350mV
EA1091SHR	90W	25~32V	0A	3.60A	± 5%	± 1%	450mV
EA1091SJR	90W	33~43V	0A	2.72A	± 5%	± 1%	650mV
EA1091SKR	90W	44~56V	0A	2.04A	± 5%	± 1%	750mV
EA1091SMR	100W	25~32V	0A	3.33A	± 5%	± 1%	450mV
EA1091SNR	100W	33~43V	0A	3.03A	± 5%	± 1%	650mV
EA1091SQR	100W	44~56V	0A	2.27A	± 5%	± 1%	750mV
EA1091SPR	100W	24V	0A	4.16A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	80A/100VAC 160A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

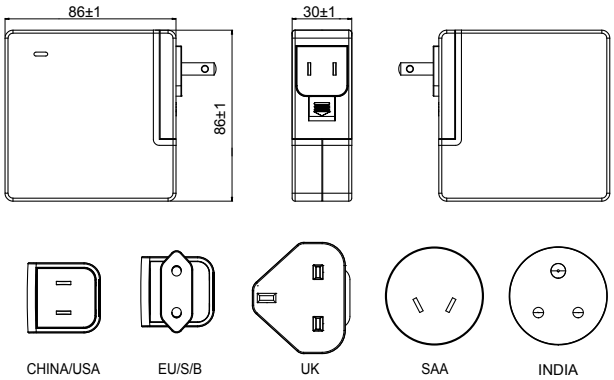
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery or Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 86L x 86W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 400g

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1093 Series

• 80~100W Max.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI, CoC Tier II
- No Load Power Consumption ≤ 0.15W (VI), ≤ 0.21W (Tier II)
- MTBF > 100,000 hours

EA1093 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1093xA	80W	12-18V	0A	6.67A	± 5%	± 1%	270mV
EA1093xB	80W	19-24V	0A	4.21A	± 5%	± 1%	360mV
EA1093xC	80W	32-42V	0A	2.5A	± 5%	±1%	630mV
EA1093xD	80W	44-56V	0A	1.82A	± 5%	± 1%	840mV
EA1093xE	90W	12-18V	0A	7.5A	± 5%	± 1%	270mV
EA1093xF	90W	19-24V	0A	4.74A	± 5%	± 1%	360mV
EA1093xG	90W	32-42V	0A	2.82A	± 5%	±1%	630mV
EA1093xH	90W	44-56V	0A	2.05A	± 5%	± 1%	840mV
EA1093xJ	100W	32-42V	0A	3.12A	± 5%	±1%	630mV
EA1093xK	100W	44-56V	0A	2.27A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

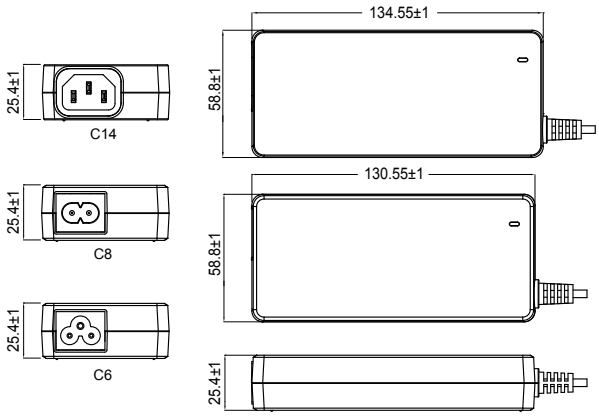
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 130.55L x 58.8W x 25.4H (mm) for C6,C8
  134.55L x 58.8W x 25.4H (mm) for C14
- Weight: 350g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models : CCC, BSMI, PSE, KC, BIS

EA1095 Series

• 80~100W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤0.21 W (VI) , ≤0.15 W (Tier II)
- MTBF > 100,000 hours

EA1095 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1095xC	84W	12V~18V	0A	7.00A	± 5%	± 1%	270mV
EA1095xD	80W	18V~24V	0A	4.44A	± 5%	± 1%	360mV
EA1095xE	90W	18V~24V	0A	5.00A	± 5%	± 1%	360mV
EA1095xF	90W	12V~18V	0A	7.50A	± 5%	± 1%	270mV
EA1095xG	80W	32V~42V	0A	2.50A	± 5%	± 1%	630mV
EA1095xH	80W	44V~56V	0A	1.81A	± 5%	± 1%	840mV
EA1095xJ	90W	32V~42V	0A	2.81A	± 5%	± 1%	630mV
EA1095xK	90W	44V~56V	0A	2.04A	± 5%	± 1%	840mV
EA1095xL	100W	32V~42V	0A	3.12A	± 5%	± 1%	630mV
EA1095xM	100W	44V~56V	0A	2.27A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

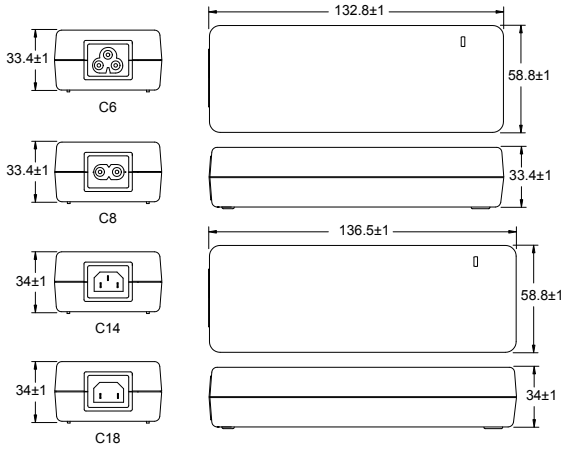
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C6, C8
- Case Size: 136.5L x 58.8W x 34H (mm) for AC inlet C14, C18
- Weight: 420g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1,CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, Argentina, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1098 Series

• *72~90W Max.*

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level V
- No Load Power Consumption ≤0.5 W
- MTBF > 100,000 hours

EA1098 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1098A,C	90W	18~20V	0A	4.74A	± 5%	± 1%	240mV
EA1098B,D	90W	21~24V	0A	3.75A	± 5%.	± 1%	240mV
EA1098F	72W	12V	0A	6.0A	± 5%	± 1%	240mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

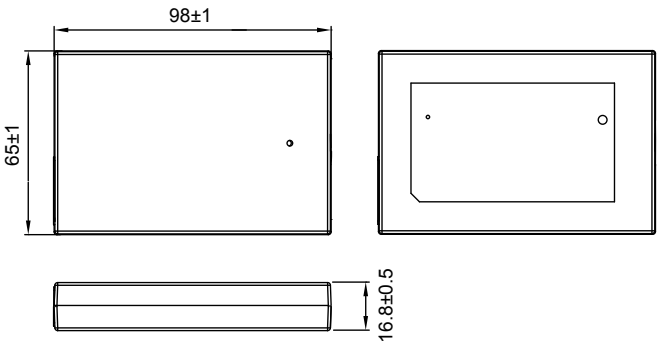
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- DC Cable: 3Pin Connector type
- Case Size: 98L x 65W x 16.8H (mm)
- Weight: 450g

SAFETY

- Certified for whole series: cTUVus 60950-1, TUV EN 60950-1, CB IEC 60950-1, FCC, CE
- Certified for assigned models: BSMI, KC, NRCAN

EA1101 Series

• 80~130W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤0.21W (VI) , ≤0.15W (Tier II)
- MTBF > 100,000 hours

EA1101 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1101xA	80W	12~16V	0	6.66A	± 5%	± 1%	240mV
EA1101xB	90W	12~16V	0	7.5A	± 5%	± 1%	240mV
EA1101xC	90W	19~24V	0	4.73A	± 5%	± 1%	360mV
EA1101xD	100W	12~16V	0	8.33A	± 5%	± 1%	240mV
EA1101xE	100W	19~24V	0	5.26A	± 5%	± 1%	360mV
EA1101xF	110W	12~16V	0	9.16A	± 5%	± 1%	240mV
EA1101xG	110W	19~24V	0	5.78A	± 5%	± 1%	360mV
EA1101xH	120W	12~16V	0	10A	± 5%	± 1%	240mV
EA1101xM	120W	19~24V	0	6.31A	± 5%	± 1%	360mV
EA1101xN	100W	48~56V	0	2.08A	± 5%	± 1%	840mV
EA1101xP	130W	48~56V	0	2.70A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

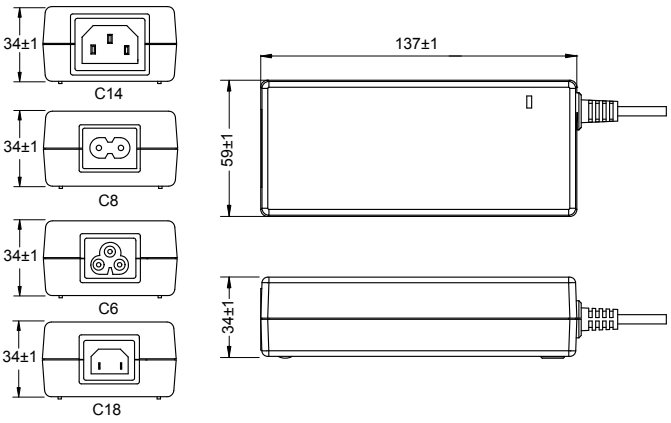
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 137L x 59W x 34H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1121 Series

• *120W Max.*

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI, CoC Tier II
- No Load Power Consumption ≤0.15W (VI), ≤0.21W (Tier II)
- MTBF > 50,000 hours

EA1121 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1121xA	120W	12-18V	0A	10A	± 5%	± 1%	270mV
EA1121xB	120W	19-24V	0A	6.31A	± 5%	± 1%	360mV
EA1121xC	120W	32-42V	0A	3.75A	± 5%	± 1%	630mV
EA1121xD	120W	44-56V	0A	2.72A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

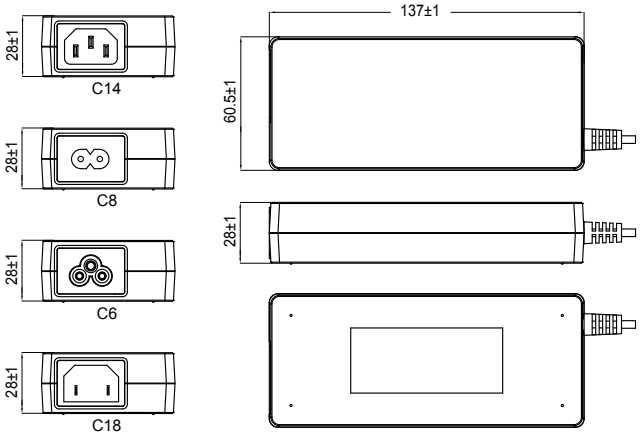
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 137L x 60.5W x 28H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

EA1130 Series

• 130~150W Max.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1130 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1130xA	130W	12V~16V	0A	10.83A	±5%	±1%	240mV
EA1130xB	130W	19V~24V	0A	6.84A	±5%	±1%	360mV
EA1130xC	130W	32V~42V	0A	4.06A	±5%	±1%	630mV
EA1130xD	130W	44V~56V	0A	2.95A	±5%	±1%	840mV
EA1130xE	140W	12V~16V	0A	11.66A	±5%	±1%	240mV
EA1130xF	140W	19V~24V	0A	7.36A	±5%	±1%	360mV
EA1130xG	140W	32V~42V	0A	4.37A	±5%	±1%	630mV
EA1130xH	140W	44V~56V	0A	3.18A	±5%	±1%	840mV
EA1130xJ	150W	12V~16V	0A	12.5A	±5%	±1%	240mV
EA1130xK	150W	19V~24V	0A	7.89A	±5%	±1%	360mV
EA1130xL	150W	32V~42V	0A	4.68A	±5%	±1%	630mV
EA1130xM	150W	44V~56V	0A	3.4A	±5%	±1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2.5A
• Inrush Current	80A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

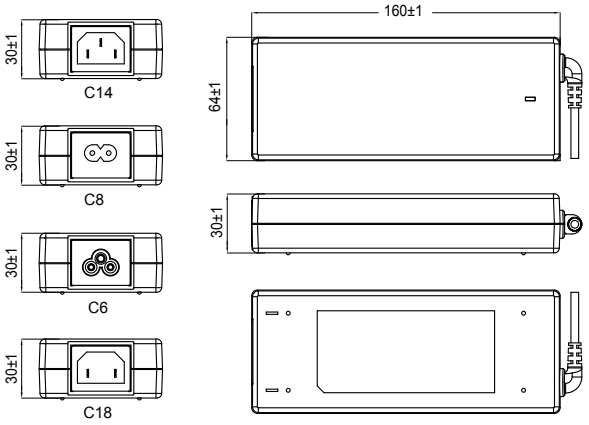
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 160L x 64W x 30H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 620g

SAFETY

- Certified for whole series: UL/cUL 60950-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.15W (VI), ≤ 0.21W (Tier II)
- MTBF > 50,000 hours

EA1152 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1152xA	150W	12~18V	0A	12.5A	± 5%	± 1%	270mV
EA1152xB	150W	19~24V	0A	7.89A	± 5%	± 1%	360mV
EA1152xC	150W	32~42V	0A	4.68A	± 5%	± 1%	630mV
EA1152xD	150W	44~56V	0A	3.4A	± 5%	± 1%	840mV
EA1152xE	160W	32~42V	0A	5A	± 5%	± 1%	630mV
EA1152xF	160W	44~56V	0A	3.63A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

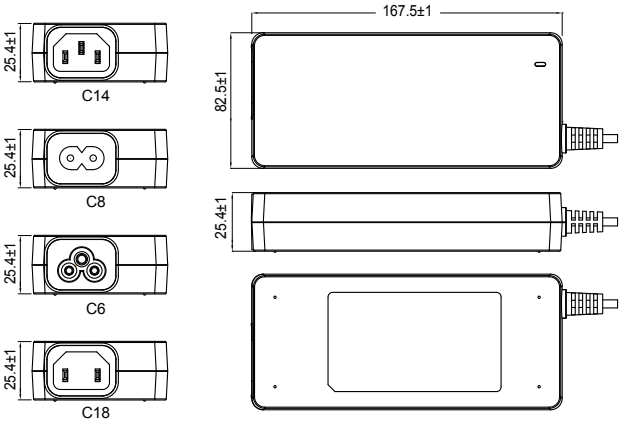
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection (optional)	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 167.5L x 82.5W x 25.4H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 500g

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

EA1170 Series

• 130~180W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1170 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1170xA	130W	12~16	0A	10.83A	± 5%	± 1%	240mV
EA1170xB	130W	19~24	0A	6.84A	± 5%	± 1%	360mV
EA1170xC	140W	12~16	0A	11.66A	± 5%	± 1%	240mV
EA1170xD	140W	19~24	0A	7.36A	± 5%	± 1%	360mV
EA1170xE	150W	12~16	0A	12.5A	± 5%	± 1%	240mV
EA1170xF	150W	19~24	0A	7.89A	± 5%	± 1%	360mV
EA1170xG	150W	32~42	0A	4.68A	± 5%	± 1%	630mV
EA1170xH	150W	44~56	0A	3.12A	± 5%	± 1%	840mV
EA1170xJ	130W	32~42	0A	4.06A	± 5%	± 1%	640mV
EA1170xK	130W	44~56	0A	2.95A	± 5%	± 1%	840mV
EA1170xM	160W	12~16	0A	13.33A	± 5%	± 1%	240mV
EA1170xN	160W	19~24	0A	8.42A	± 5%	± 1%	360mV
EA1170xP	170W	19~24	0A	8.94A	± 5%	± 1%	360mV
EA1170xQ	180W	19~24	0A	9.47A	± 5%	± 1%	360mV
EA1170xR	180W	32~42	0A	5.62A	± 5%	± 1%	630mV
EA1170xS	180W	44~56	0A	3.75A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

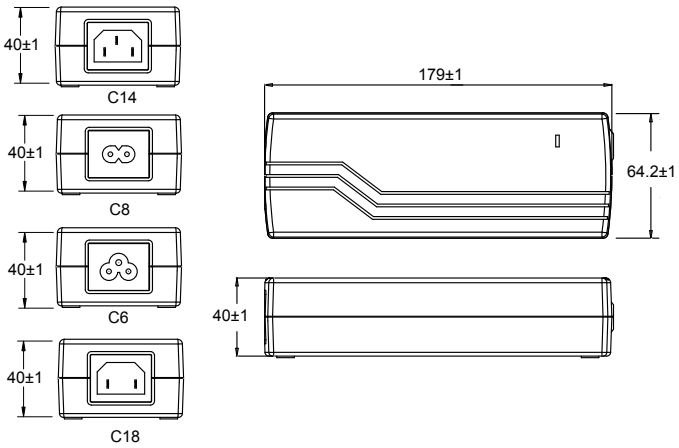
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 179L x 64.2W x 40H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 705g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina, KVALITE

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1181 Series

• 150~200W Max.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1181 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1181xA	150W	12~18V	0A	12.5A	± 5%	± 1%	240mV
EA1181xB	160W	12~18V	0A	13.33A	± 5%	± 1%	240mV
EA1181xC	170W	12~18V	0A	14.16A	± 5%	± 1%	240mV
EA1181xD	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EA1181xE	180W	32~42V	0A	5.62A	± 5%	±1%	630mV
EA1181xF	180W	44~56V	0A	4.09A	± 5%	± 1%	840mV
EA1181xG	190W	19~24V	0A	10A	± 5%	± 1%	360mV
EA1181xH	190W	32~42V	0A	5.93A	± 5%	±1%	630mV
EA1181xJ	190W	44~56V	0A	4.31A	± 5%	± 1%	840mV
EA1181xK	200W	19~24V	0A	10.52A	± 5%	± 1%	360mV
EA1181xL	200W	32~42V	0A	6.25A	± 5%	±1%	630mV
EA1181xM	200W	44~56V	0A	4.54A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

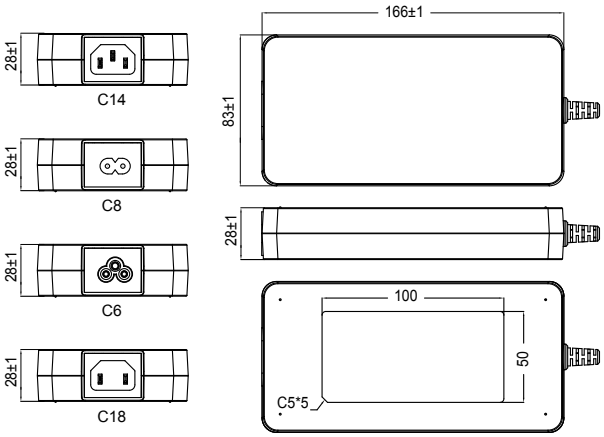
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 166L x 83W x 28H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

SAFETY

• Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

EA1250 Series

• 60~250W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1250 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1250xA	160W	12V~18V	0A	13.33A	± 5%	± 1%	300mV
EA1250xB	180W	12V~18V	0A	15.00A	± 5%	± 1%	300mV
EA1250xC	180W	19V~28V	0A	9.47A	± 5%	± 1%	350mV
EA1250xD	200W	12V~18V	0A	16.66A	± 5%	± 1%	300mV
EA1250xE	200W	19V~28V	0A	10.52A	± 5%	± 1%	350mV
EA1250xF	200W	32V~42V	0A	6.25A	± 5%	± 1%	450mV
EA1250xG	200W	44V~56V	0A	4.54A	± 5%	± 1%	600mV
EA1250xH	220W	12V~18V	0A	18.33A	± 5%	± 1%	300mV
EA1250xJ	220W	19V~28V	0A	11.57A	± 5%	± 1%	350mV
EA1250xK	220W	32V~42V	0A	6.87A	± 5%	± 1%	450mV
EA1250xL	220W	44V~56V	0A	5A	± 5%	± 1%	600mV
EA1250xM	230W	19V~28V	0A	12.10A	± 5%	± 1%	350mV
EA1250xN	230W	32V~42V	0A	7.18A	± 5%	±1%	450mV
EA1250xP	230W	44V~56V	0A	5.22A	± 5%	± 1%	600mV
EA1250xQ	250W	19V~28V	0A	13.15A	± 5%	± 1%	350mV
EA1250xR	250W	32V~42V	0A	7.81A	± 5%	± 1%	450mV
EA1250xS	250W	44V~56V	0A	5.68A	± 5%	± 1%	600mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A to 2.5A
• Inrush Current	70A/100VAC 140A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

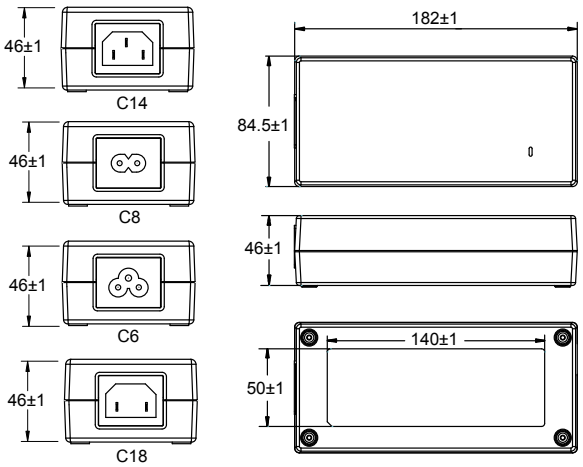
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 182L x 84.5W x 46H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1000g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, CU, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1252 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1252xA	190W	12V~18V	0A	15.83A	±5%	±1%	240mV
EA1252xB	230W	19V~24V	0A	12.1A	±5%	±1%	240mV
EA1252xC	230W	32V~42V	0A	7.18A	±5%	±1%	240mV
EA1252xD	230W	44V~56V	0A	5.22A	±5%	±1%	360mV
EA1252xE	200W	12V~18V	0A	16.66A	±5%	±1%	360mV
EA1252xF	240W	19V~24V	0A	12.63A	±5%	±1%	630mV
EA1252xG	240W	32V~42V	0A	7.5A	±5%	±1%	840mV
EA1252xH	240W	44V~56V	0A	5.45A	±5%	±1%	360mV
EA1252xJ	210W	12V~18V	0A	17.5A	±5%	±1%	360mV
EA1252xK	250W	19V~24V	0A	13.15A	±5%	±1%	360mV
EA1252xL	250W	32V~42V	0A	7.81A	±5%	±1%	630mV
EA1252xM	250W	44V~56V	0A	5.68A	±5%	±1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A to 2.5A
• Inrush Current	70A/100VAC 140A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

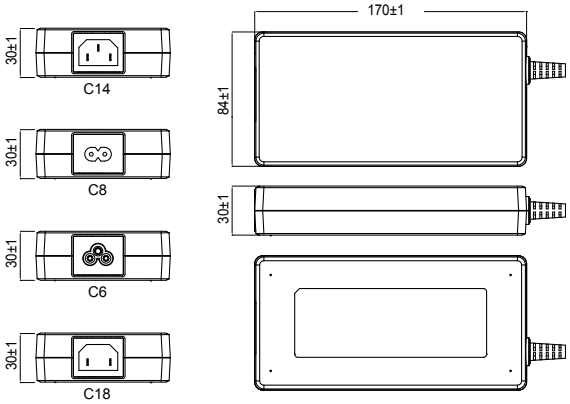
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 170L x 84W x 30H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 950g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

EA1300 Series

• 230~310W Max.

AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.5 W
- MTBF > 50,000 hours

EA1300 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1300xA	230W	12~18	0	19.16A	± 5%	± 1%	240mV
EA1300xB	240W	12~18	0	20.0A	± 5%	± 1%	240mV
EA1300xC	250.2W	12~18	0	20.85A	± 5%	± 1%	240mV
EA1300xD	260W	19~28	0	13.68A	± 5%	± 1%	360mV
EA1300xE	270W	19~28	0	14.21A	± 5%	± 1%	360mV
EA1300xF	270W	32~42	0	8.43A	± 5%	± 1%	630mV
EA1300xG	270W	44~56	0	6.13A	± 5%	± 1%	840mV
EA1300xH	280W	19~28	0	14.73A	± 5%	± 1%	360mV
EA1300xM	290W	19~28	0	15.26A	± 5%	± 1%	360mV
EA1300xN	300W	19~28	0	15.78A	± 5%	± 1%	360mV
EA1300xP	310W	32~42	0	9.68A	± 5%	± 1%	630mV
EA1300xQ	310W	44~56	0	7.04A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	5A to 2.5A
• Inrush Current	75A/100VAC 140A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

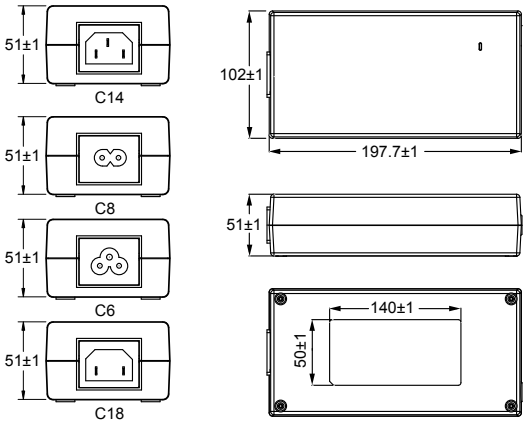
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 197.7L x 102W x 51H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1350g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, PSE, BIS

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1330 Series

• 300~330W Max.

AC/DC Desktop Adapter

Features

- Slim Size
- 100-240VAC Universal Input
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.5 W
- MTBF > 100,000 hours

EA1330 X Y - vv PP

X: AC inlet: 1. C14 3. C6
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1330xA	300W	12V	0A	25A	±5%	±1%	240mV
EA1330xB	330W	19~24V	0A	17.36A	±5%	±1%	480mV
EA1330xC	330W	36V~48V	0A	9.16A	±5%	±1%	720mV
EA1330xD	330W	56V	0A	5.89A	±5%	±1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 5.0A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

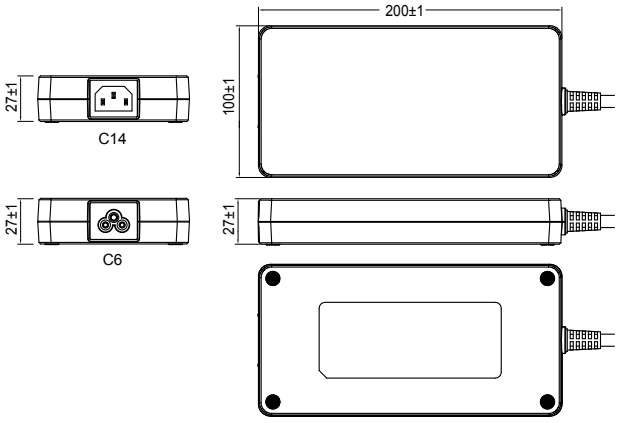
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 200L x 100W x 27H (mm)
- AC Inlet: C14, C6
- Weight: 1.2kg

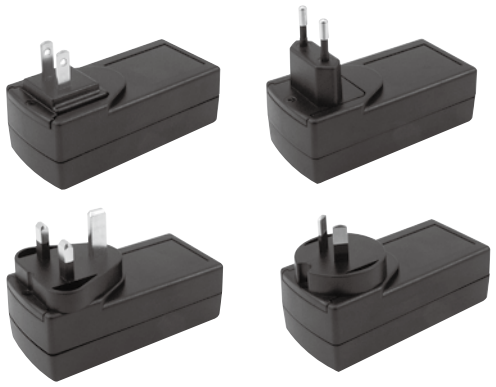
SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

EA1045 Series

• 30~45W Max.

USB Type-C Adapter



Features

- 100-240VAC Universal Input
- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045 X Y - PP

X: Output range
Y: AC plug type: • U: USA • E: EU • K: UK • A: SAA
PP: DC plug Code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AY	30W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	2.0A	±5%	±1%	300mV
		20V	0A	1.5A	±5%	±1%	360mV
EA1045BY	36W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	2.4A	±5%	±1%	300mV
		20V	0A	1.8A	±5%	±1%	360mV
EA1045CY	45W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	3.0A	±5%	±1%	300mV
		20V	0A	2.25A	±5%	±1%	360mV
EA1045DY	30W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	2.5A	±5%	±1%	200mV
		15V	0A	2.0A	±5%	±1%	300mV
		20V	0A	1.5A	±5%	±1%	360mV
EA1045EY	36W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	2.4A	±5%	±1%	300mV
		20V	0A	1.8A	±5%	±1%	360mV
EA1045FY	45W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	3.0A	±5%	±1%	300mV
		20V	0A	2.25A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

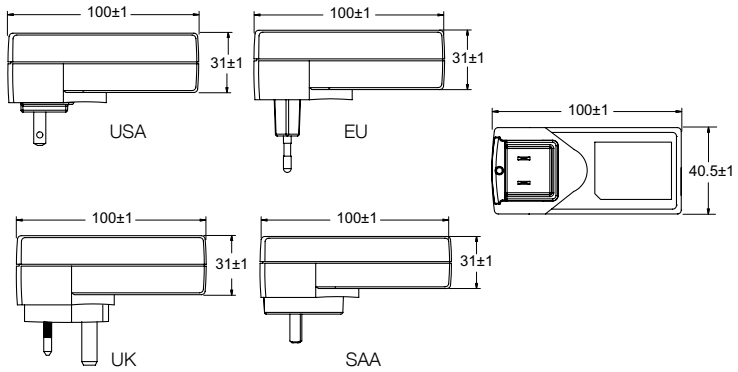
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, PSE

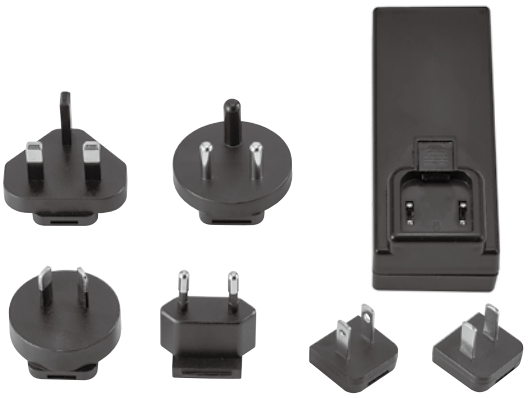
Mechanical Specification



- Case Size: 100L x 40.5W x 31H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 220g

Above safety certificates are for reference only. Please contact our sales department for more details.

USB Type-C Adapter



Features

- 100-240VAC Universal Input
- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045 X R - PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
PP: DC plug Code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AR	30W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	2.0A	±5%	±1%	300mV
		20V	0A	1.5A	±5%	±1%	360mV
EA1045BR	36W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	2.4A	±5%	±1%	300mV
		20V	0A	1.8A	±5%	±1%	360mV
EA1045CR	45W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	3.0A	±5%	±1%	300mV
		20V	0A	2.25A	±5%	±1%	360mV
EA1045DR	30W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	2.5A	±5%	±1%	200mV
		15V	0A	2.0A	±5%	±1%	300mV
		20V	0A	1.5A	±5%	±1%	360mV
EA1045ER	36W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	2.4A	±5%	±1%	300mV
		20V	0A	1.8A	±5%	±1%	360mV
EA1045FR	45W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	3.0A	±5%	±1%	300mV
		20V	0A	2.25A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

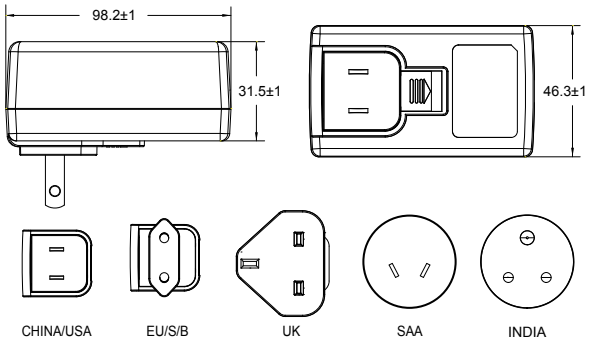
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, PSE

Mechanical Specification

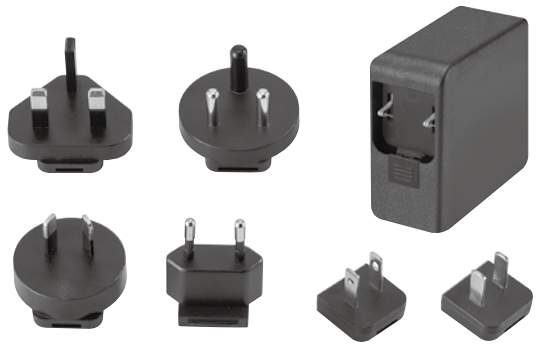


- Case Size: 98.2L x 46.3W x 31.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

EA1045S Series

• 30~45W Max.

USB Type-C Adapter



Features

- 100-240VAC Universal Input
- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045S X R - PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
PP: DC plug Code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045SAR	30W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	2.5A	±5%	±1%	200mV
		15V	0A	2.0A	±5%	±1%	300mV
		20V	0A	1.5A	±5%	±1%	360mV
EA1045SBR	36W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	2.4A	±5%	±1%	300mV
		20V	0A	1.8A	±5%	±1%	360mV
EA1045SCR	45W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	3.0A	±5%	±1%	300mV
		20V	0A	2.25A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

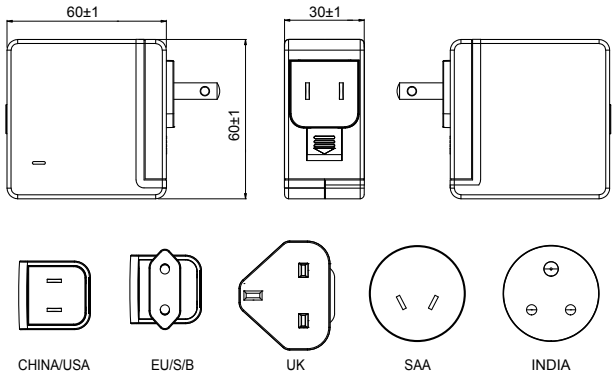
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 60L x 60W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 190g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, CU

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1045 Series

• 30~45W Max.

USB Type-C Adapter

Features

- 100-240VAC Universal Input
- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045 X Y - PP

X: Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
PP: DC plug Code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AY	30W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	2.0A	±5%	±1%	300mV
		20V	0A	1.5A	±5%	±1%	360mV
EA1045BY	36W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	2.4A	±5%	±1%	300mV
		20V	0A	1.8A	±5%	±1%	360mV
EA1045CY	45W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		15V	0A	3.0A	±5%	±1%	300mV
		20V	0A	2.25A	±5%	±1%	360mV
EA1045DY	30W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	2.5A	±5%	±1%	200mV
		15V	0A	2.0A	±5%	±1%	300mV
		20V	0A	1.5A	±5%	±1%	360mV
EA1045EY	36W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	2.4A	±5%	±1%	300mV
		20V	0A	1.8A	±5%	±1%	360mV
EA1045FY	45W	5V	0A	3.0A	±5%	±1%	100mV
		9V	0A	3.0A	±5%	±1%	180mV
		12V	0A	3.0A	±5%	±1%	200mV
		15V	0A	3.0A	±5%	±1%	300mV
		20V	0A	2.25A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

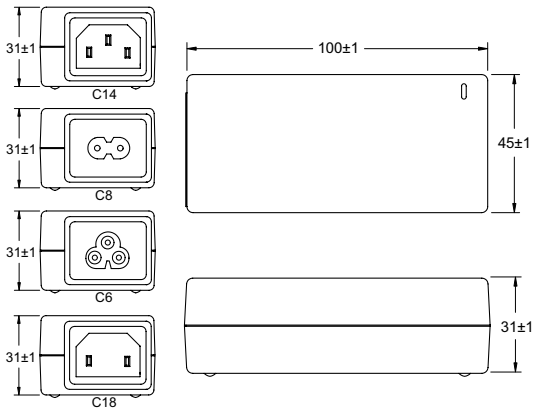
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, PSE

Mechanical Specification



- Case Size: 100L x 45W x 31H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

EA1062 Series

• 60W Max.

USB Type-C Adapter

Features

- USB Power Delivery Function
- 100-240VAC Universal Input
- LED Indicator
- LPS compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 100,000 hours

EA1062 X - PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
PP: DC plug Code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062XY	60W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		15V					300mV
		20V					360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

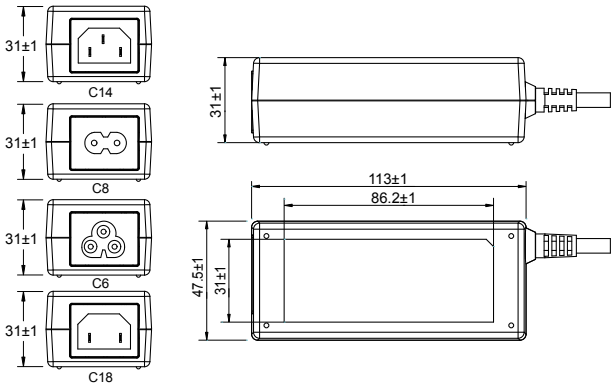
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recover
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



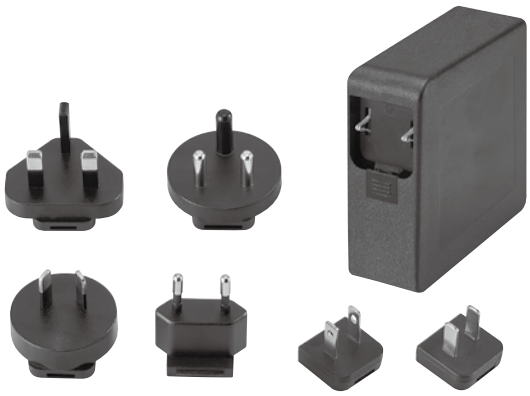
- Case Size: 113L x 47.5W x 31H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC

Above safety certificates are for reference only. Please contact our sales department for more details.

USB Type-C Adapter



Features

- USB Power Delivery Function
- 100-240VAC Universal Input
- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤0.21W
- MTBF > 100,000 hours

EA1062S X R - PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India

PP: DC plug code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062SAR	65W	5V	0A	3A	±5%	± 1%	100mV
		9V	0A	3A	±5%	±1%	180mV
		12V	0A	3A	±5%	±1%	240mV
		15V	0A	3A	±5%	±1%	300mV
		20V	0A	3.25A	±5%	±1%	360mV
EA1062SBR	60W	5V	0A	3A	±5%	±1%	100mV
		9V	0A	3A	±5%	±1%	180mV
		12V	0A	3A	±5%	±1%	240mV
		15V	0A	3A	±5%	±1%	300mV
		20V	0A	3A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

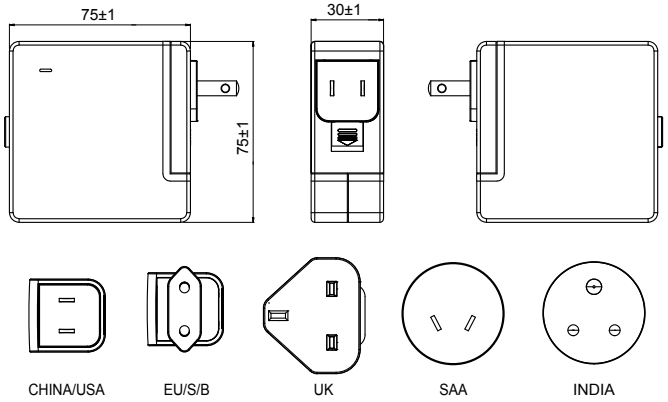
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 75 x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B:Korea, I: India
- Weight: 250g

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, KC

EA1103 Series

• *100W Max.*

USB Type-C Adapter

Features

- USB Power Delivery Function
- 100-240VAC Universal Input
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21 W
- MTBF > 50,000 hours

EA1103 X - PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
PP: DC plug Code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1103X	100W	5V	0A	3A	±5%	±1%	100mV
		9V	0A	3A	±5%	±1%	180mV
		12V	0A	3A	±5%	±1%	240mV
		15V	0A	3A	±5%	±1%	300mV
		20V	0A	5A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

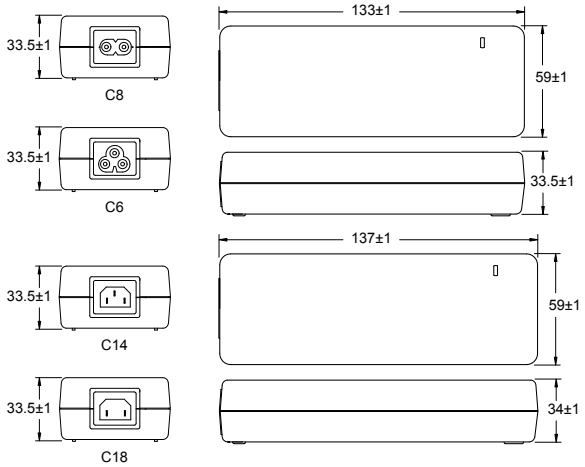
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off (optional)

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 133L x 59W x 33.5H (mm) for AC inlet C8, C6
- Case Size: 137L x 59W x 34H (mm) for AC inlet C14, C18
- Weight: 600g

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1046P Series

• 45W Max.

USB Type-C DC/DC Switching Converter

Features

- USB Power Delivery Function
- 11-16VDC Input
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1046XP - PP

Output type:

X : S(SR)
U(USB)

PP: DC plug code 92 for USB Type-C

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE(Max)
ED1046SP	45W	11V~16V	5V	0A	3A	±5%	±1%	100mV
			9V	0A	3A	±5%	±1%	180mV
			12V	0A	3A	±5%	±1%	240mV
			15V	0A	3A	±5%	±1%	300mV
			20V	0A	2.25A	±5%	±1%	360mV
ED1046UP	45W	11V~16V	5V	0A	3A	±5%	±1%	100mV
			9V	0A	3A	±5%	±1%	180mV
			12V	0A	3A	±5%	±1%	240mV
			15V	0A	3A	±5%	±1%	300mV
			20V	0A	2.25A	±5%	±1%	360mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

•Input Range	11 to 16 VDC
•Input Current	7A Max
•Efficiency	83% Min. Nominal input
•Turn On Time	≤3s

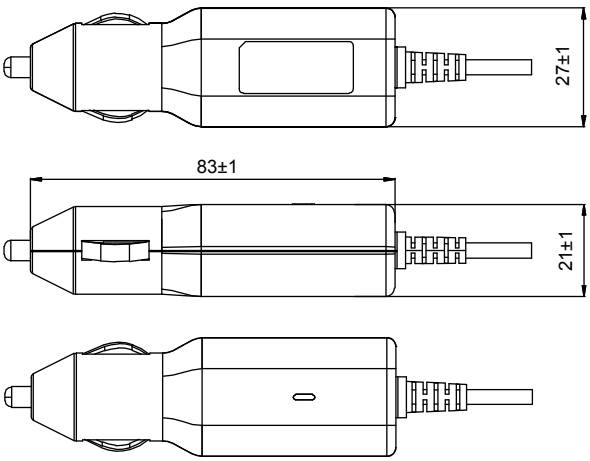
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 83L x 27W x 21H (mm)
- Weight: 40g

SAFETY

- Complied with CE (EMC+LVD EN62368-1), FCC

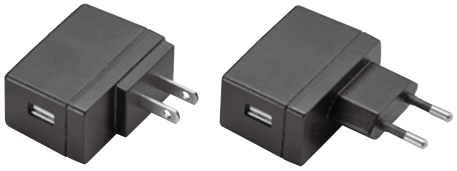
EM1005 Series

• 4.5~6W Max.

Medical AC/DC Wall Mount Adapter

Vertical (USB & SR Type)

Horizontal (USB & SR Type)



Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1005 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1005A	6W	5~8V	0A	1.2A	± 5%	± 1%	100mV
EM1005B	6W	9~12V	0A	0.66A	± 5%	± 1%	180mV
EM1005C	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EM1005D	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.6A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

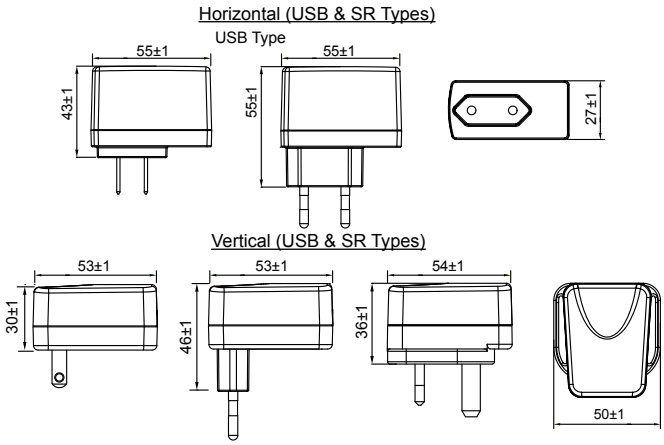
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA, EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: BSMI, PSE

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1005 Series

• 4.5~6W Max.

Medical AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1005 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1005A	6	5~8V	0A	1.2A	± 5%	± 1%	100mV
EM1005B	6	9~12V	0A	0.66A	± 5%	± 1%	180mV
EM1005C	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EM1005D	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.6A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

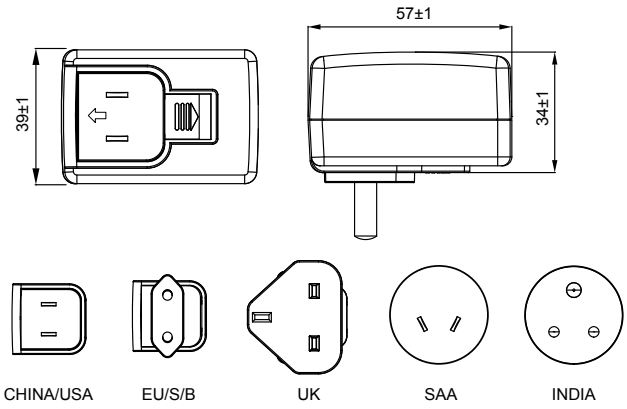
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: BSMI, PSE

Above safety certificates are for reference only. Please contact our sales department for more details.

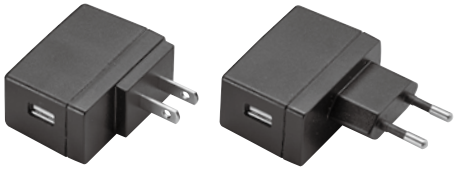
EM1012 Series

• *12W Max.*

Medical AC/DC Wall Mount Adapter

Vertical (USB & SR Type)

Horizontal (USB & SR Type)



Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1012 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1012A	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EM1012B	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EM1012C	12W	12~17V	0A	1.0A	± 5%	± 1%	250mV
EM1012D	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

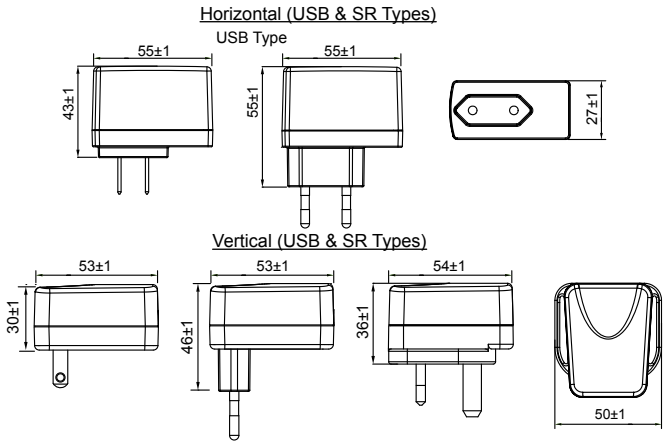
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA, EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: PSE, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1012 Series

• *12W Max.*

Medical AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1012 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1012A	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EM1012B	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EM1012C	12W	12~17V	0A	1.0A	± 5%	± 1%	250mV
EM1012D	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

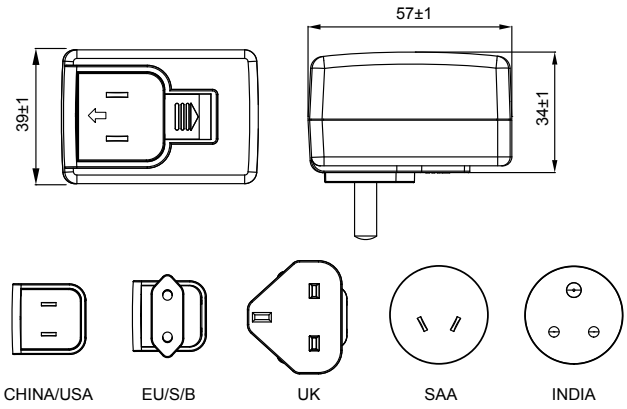
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: PSE, RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1019 Series

• *15~24W Max.*

Medical AC/DC Wall Mount Adapter

Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W (VI)
- MTBF > 100,000 hours

EM1019 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC Plug: • U: USA • E: EU • K: UK • A: SAA • C: China
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019A	15W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1019B	20W	9~13V	0A	2.0A	± 5%	± 1%	150mV
EM1019C	20W	14~19V	0A	1.42A	± 5%	± 1%	200mV
EM1019D	20W	20~27V	0A	1.0A	± 5%	± 1%	250mV
EM1019E	20W	28~35V	0A	0.71A	± 5%	± 1%	280mV
EM1019F	20W	36~48V	0A	0.55A	± 5%	± 1%	360mV
EM1019G	18W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1019H	24W	9~13V	0A	2.0A	± 5%	± 1%	180mV
EM1019J	24W	14~19V	0A	1.71A	± 5%	± 1%	200mV
EM1019K	24W	20~27V	0A	1.2A	± 5%	± 1%	250mV
EM1019M	24W	28~35V	0A	0.85A	± 5%	± 1%	280mV
EM1019N	24W	36~48V	0A	0.66A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.8A
• Inrush Current	40A/100VAC 80A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

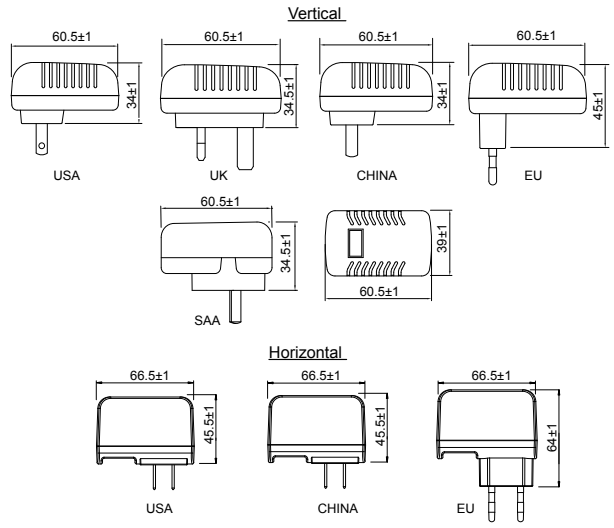
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: CCC

Mechanical Specification



- Case Size: Vertical: 60.5L x 39W x 34H (mm)
  Horizontal: 66.5L x 26W x 45.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1019 Series

• *15~24W Max.*

Medical AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1019 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019AVRS	15W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1019BVRS	20W	9~13V	0A	2.0A	± 5%	± 1%	180mV
EM1019CVRS	20W	14~19V	0A	1.42A	± 5%	± 1%	200mV
EM1019DVRS	20W	20~27V	0A	1.0A	± 5%	± 1%	250mV
EM1019EVRS	20W	28~35V	0A	0.71A	± 5%	± 1%	280mV
EM1019FVRS	20W	36~48V	0A	0.55A	± 5%	± 1%	360mV
EM1019GVRS	18W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1019HVRS	24W	9~13V	0A	2.0A	± 5%	± 1%	180mV
EM1019JVRS	24W	14~19V	0A	1.71A	± 5%	± 1%	200mV
EM1019KVRS	24W	20~27V	0A	1.2A	± 5%	± 1%	250mV
EM1019MVRS	24W	28~35V	0A	0.85A	± 5%	± 1%	280mV
EM1019NVRS	24W	36~48V	0A	0.66A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤0.8A
• Inrush Current	40A/100VAC 80A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

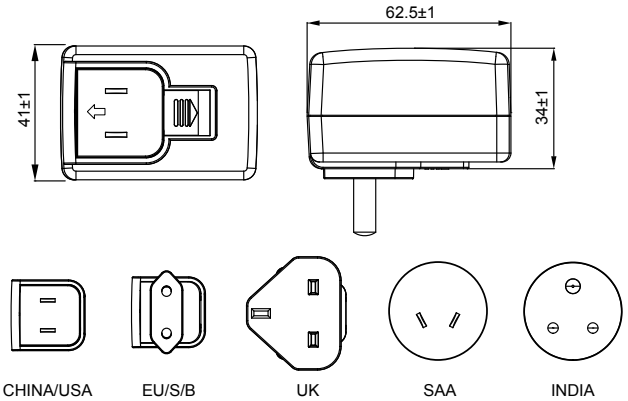
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 62.5L x 41W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 150g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: CCC

EM1024 Series

• 16~36W Max.

Medical AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator (optional)
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1024 X Y - vv PP

X: Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AY	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EM1024BY	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1024CY	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EM1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024EY	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EM1024FY	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EM1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PY	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EM1024QY	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EM1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

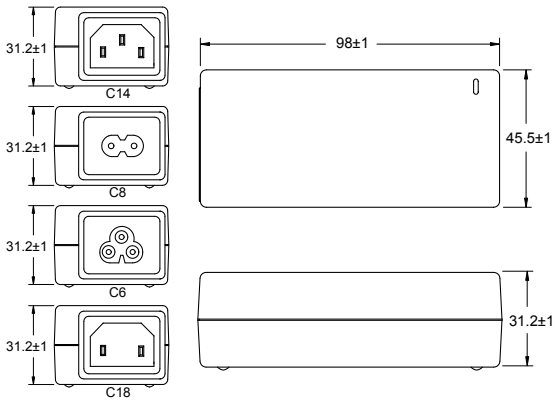
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: CCC, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1024 Series

• 16~36W Max.

Medical AC/DC Wall Mount Adapter

Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1024 X Y - vv PP

X: Output range
Y: AC plug: • U: USA • E: EU • K: UK • A: SAA
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AY	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EM1024BY	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1024CY	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EM1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024EY	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EM1024FY	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EM1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PY	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EM1024QY	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EM1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

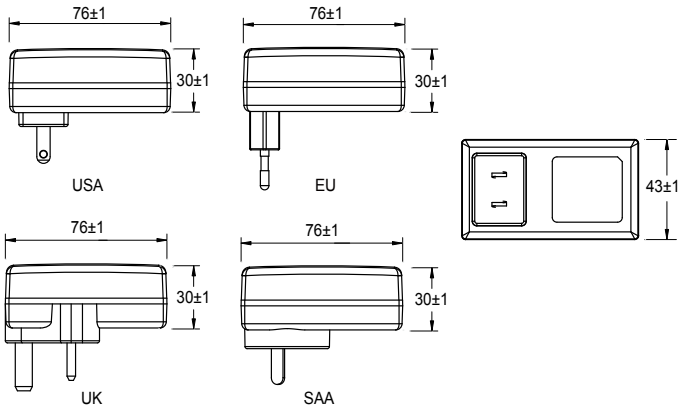
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 76L x 43W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: PSE, RCM, NRCAN

EM1024 Series

• 16~36W Max.

Medical AC/DC Interchangeable Adapter

Features

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EM1024 X R - vv PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AR	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EM1024BR	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1024CR	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EM1024DR	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024ER	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EM1024FR	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EM1024GR	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HR	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JR	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KR	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MR	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NR	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PR	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EM1024QR	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EM1024RR	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤1.0A
• Inrush Current	30A/100VAC 60A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

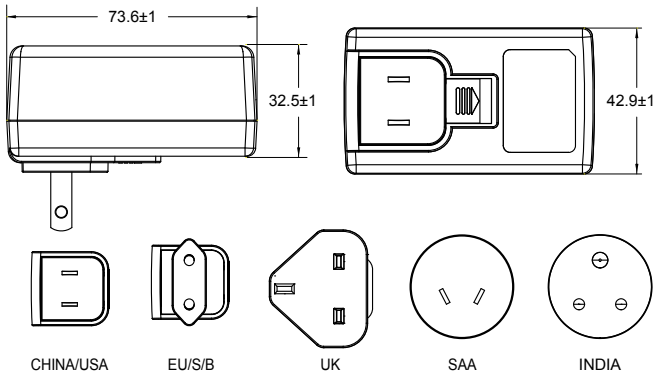
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: PSE, RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1068 Series

• 25~72W Max.

Medical AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over Temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption
  Less than 50W: ≤ 0.1W (VI)
  More than (includes) 50W: ≤ 0.21W (VI)
- MTBF > 100,000 hours

EM1068 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1068xA	25W	5V~9V	0A	5.0A	± 5%	± 1%	180mV
EM1068xB	40W	12V~16V	0A	3.33A	± 5%	± 1%	240mV
EM1068xC	40W	18V~24V	0A	2.10A	± 5%	± 1%	360mV
EM1068xD	40W	32V~42V	0A	1.25A	± 5%	± 1%	630mV
EM1068xE	40W	44V~56V	0A	0.90A	± 5%	± 1%	840mV
EM1068xF	30W	5V~9V	0A	6.0A	± 5%	± 1%	180mV
EM1068xG	50W	12V~16V	0A	4.16A	± 5%	± 1%	240mV
EM1068xH	50W	18V~24V	0A	2.63A	± 5%	± 1%	360mV
EM1068xJ	50W	32V~42V	0A	1.56A	± 5%	± 1%	630mV
EM1068xK	50W	44V~56V	0A	1.13A	± 5%	± 1%	840mV
EM1068xW	40W	5V~9V	0A	8.0A	± 5%	± 1%	180mV
EM1068xM	35W	5V~9V	0A	7.0A	± 5%	± 1%	180mV
EM1068xN	60W	12V~16V	0A	5.0A	± 5%	± 1%	240mV
EM1068xP	60W	18V~24V	0A	3.15A	± 5%	± 1%	360mV
EM1068xQ	60W	32V~42V	0A	1.87A	± 5%	± 1%	630mV
EM1068xR	60W	44V~56V	0A	1.36A	± 5%	± 1%	840mV
EM1068xY	65W	12V~16V	0A	5.42A	± 5%	± 1%	240mV
EM1068xS	45W	5V~9V	0A	9.0A	± 5%	± 1%	180mV
EM1068xU	72W	12V~16V	0A	6.0A	± 5%	± 1%	240mV
EM1068xV	72W	18V~24V	0A	3.78A	± 5%	± 1%	360mV
EM1068xL	72W	32V~42V	0A	2.25A	± 5%	± 1%	630mV
EM1068xT	72W	44V~56V	0A	1.63A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	80A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off / Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

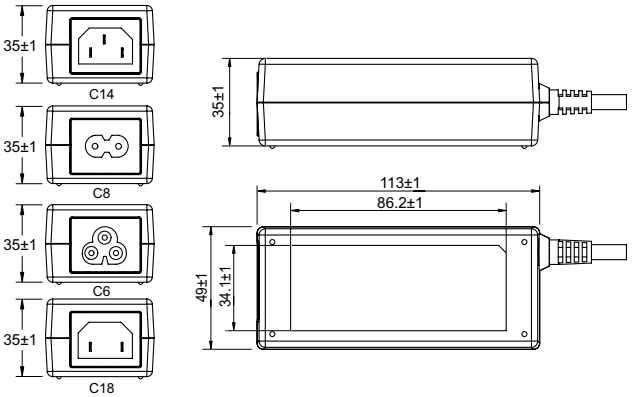
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: KC, NRCAN

Mechanical Specification



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

EM1095 Series

• 80~100W Max.

Medical AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21 W
- MTBF > 100,000 hours

EM1095 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1095xC	84W	12V~18V	0A	7.00A	± 5%	± 1%	270mV
EM1095xD	80W	18V~24V	0A	4.44A	± 5%	± 1%	360mV
EM1095xE	90W	18V~24V	0A	5.00A	± 5%	± 1%	360mV
EM1095xF	90W	12V~18V	0A	7.50A	± 5%	± 1%	270mV
EM1095xG	80W	32V~42V	0A	2.50A	± 5%	± 1%	630mV
EM1095xH	80W	44V~56V	0A	1.81A	± 5%	± 1%	840mV
EM1095xJ	90W	32V~42V	0A	2.81A	± 5%	± 1%	630mV
EM1095xK	90W	44V~56V	0A	2.04A	± 5%	± 1%	840mV
EM1095xL	100W	32V~42V	0A	3.12A	± 5%	± 1%	630mV
EM1095xM	100W	44V~56V	0A	2.27A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

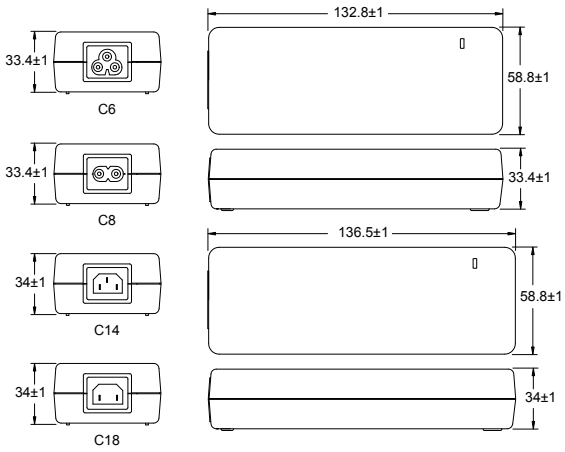
OUTPUT

•Short Circuit Protection	Auto Recovery
•Over Voltage Protection	Auto Recovery
•Over Current Protection	Auto Recovery
•Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C6, C8
- Case Size: 136.5L x 58.8W x 34H (mm) for AC inlet C14, C18
- Weight: 420g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1101 Series

• 80~130W Max.

Medical AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over Temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 100,000 hours

EM1101 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1101xA	80W	12~16V	0A	6.66A	± 5%	± 1%	240mV
EM1101xB	90W	12~16V	0A	7.5A	± 5%	± 1%	240mV
EM1101xC	90W	19~24V	0A	4.73A	± 5%	± 1%	360mV
EM1101xD	100W	12~16V	0A	8.33A	± 5%	± 1%	240mV
EM1101xE	100W	19~24V	0A	5.26A	± 5%	± 1%	360mV
EM1101xF	110W	12~16V	0A	9.16A	± 5%	± 1%	240mV
EM1101xG	110W	19~24V	0A	5.78A	± 5%	± 1%	360mV
EM1101xH	120W	12~16V	0A	10A	± 5%	± 1%	240mV
EM1101xM	120W	19~24V	0A	6.31A	± 5%	± 1%	360mV
EM1101xN	100W	48~56V	0A	2.08A	± 5%	± 1%	840mV
EM1101xP	130W	48~56V	0A	2.70A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.0A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

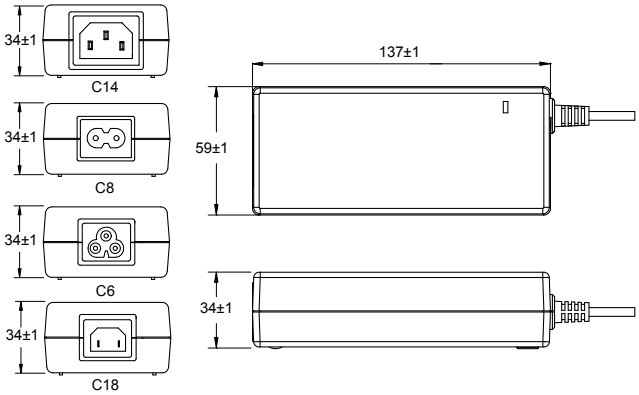
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 137L x 59W x 34H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: CCC, PSE, RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1170 Series

• 130~180W Max.

Medical AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 50,000 hours

EM1170 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1170xA	130W	12~16	0A	10.83A	± 5%	± 1%	240mV
EM1170xB	130W	19~24	0A	6.84A	± 5%	± 1%	360mV
EM1170xC	140W	12~16	0A	11.66A	± 5%	± 1%	240mV
EM1170xD	140W	19~24	0A	7.36A	± 5%	± 1%	360mV
EM1170xE	150W	12~16	0A	12.5A	± 5%	± 1%	240mV
EM1170xF	150W	19~24	0A	7.89A	± 5%	± 1%	360mV
EM1170xG	150W	32~42	0A	4.68A	± 5%	± 1%	630mV
EM1170xH	150W	44~56	0A	3.12A	± 5%	± 1%	840mV
EM1170xJ	130W	32~42	0A	4.06A	± 5%	± 1%	640mV
EM1170xK	130W	44~56	0A	2.95A	± 5%	± 1%	840mV
EM1170xM	160W	12~16	0A	13.33A	± 5%	± 1%	240mV
EM1170xN	160W	19~24	0A	8.42A	± 5%	± 1%	360mV
EM1170xP	170W	19~24	0A	8.94A	± 5%	± 1%	360mV
EM1170xQ	180W	19~24	0A	9.47A	± 5%	± 1%	360mV
EM1170xR	180W	32~42	0A	5.62A	± 5%	± 1%	630mV
EM1170xS	180W	44~56	0A	3.75A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	80A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

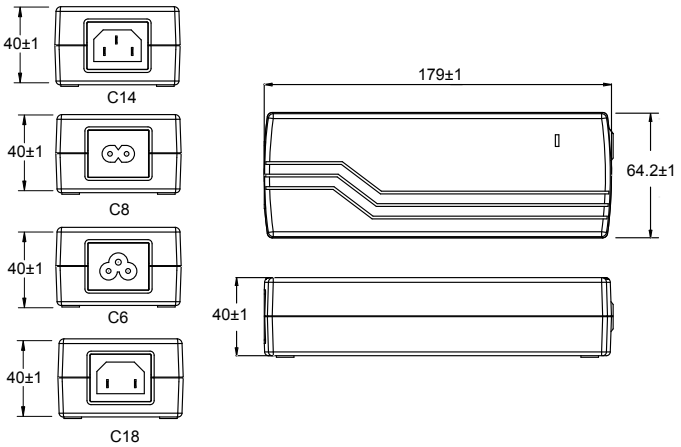
OUTPUT

•Short Circuit Protection	Auto Recovery
•Over Voltage Protection	Latch-off
•Over Current Protection	Auto Recovery
•Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 179L x 64.2W x 40H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 705g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EM1250 Series

• 160~250W Max.

Medical AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 50,000 hours

EM1250 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1250xA	160W	12V~18V	0A	13.33A	± 5%	± 1%	300mV
EM1250xB	180W	12V~18V	0A	15.00A	± 5%	± 1%	300mV
EM1250xC	180W	19V~28V	0A	9.47A	± 5%	± 1%	350mV
EM1250xD	200W	12V~18V	0A	16.66A	± 5%	± 1%	300mV
EM1250xE	200W	19V~28V	0A	10.52A	± 5%	± 1%	350mV
EM1250xF	200W	32V~42V	0A	6.25A	± 5%	± 1%	450mV
EM1250xG	200W	44V~56V	0A	4.54A	± 5%	± 1%	600mV
EM1250xH	220W	12V~18V	0A	18.33A	± 5%	± 1%	300mV
EM1250xJ	220W	19V~28V	0A	11.57A	± 5%	± 1%	350mV
EM1250xK	220W	32V~42V	0A	6.87A	± 5%	± 1%	450mV
EM1250xL	220W	44V~56V	0A	5A	± 5%	± 1%	600mV
EM1250xM	230W	19V~28V	0A	12.10A	± 5%	± 1%	350mV
EM1250xN	230W	32V~42V	0A	7.18A	± 5%	± 1%	450mV
EM1250xP	230W	44V~56V	0A	5.22A	± 5%	± 1%	600mV
EM1250xQ	250W	19V~28V	0A	13.15A	± 5%	± 1%	350mV
EM1250xR	250W	32V~42V	0A	7.81A	± 5%	± 1%	450mV
EM1250xS	250W	44V~56V	0A	5.68A	± 5%	± 1%	600mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A to 2.5A
• Inrush Current	70A/100VAC 140A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

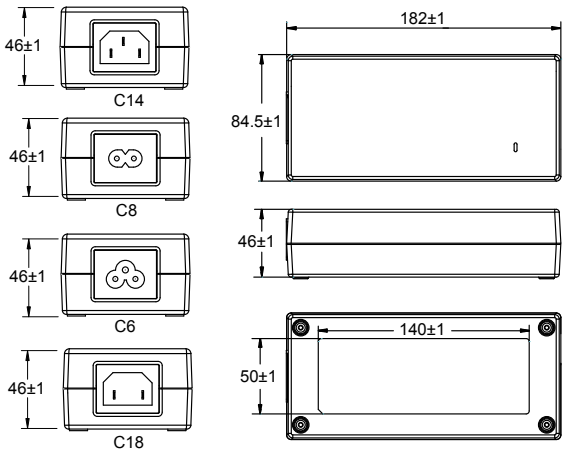
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 182L x 84.5W x 46H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1000g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: NRCAN

EM1300 Series

• 230~310W Max.

Medical AC/DC Desktop Adapter

Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21 W
- MTBF > 50,000 hours

EM1300 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1300xA	230W	12V~18V	0A	13.33A	±5%	±1%	240mV
EM1300xB	240W	12V~18V	0A	20.00A	±5%	±1%	240mV
EM1300xC	250.2W	12V~18V	0A	20.85A	±5%	±1%	240mV
EM1300xD	260W	19V~28V	0A	13.68A	±5%	±1%	360mV
EM1300xE	270W	19V~28V	0A	14.21A	±5%	±1%	360mV
EM1300xF	270W	32V~42V	0A	8.43A	±5%	±1%	630mV
EM1300xG	270W	44V~56V	0A	6.13A	±5%	±1%	840mV
EM1300xH	280W	19V~28V	0A	14.73A	±5%	±1%	360mV
EM1300xM	290W	19V~28V	0A	15.26A	±5%	±1%	360mV
EM1300xN	300W	19V~28V	0A	15.78A	±5%	±1%	360mV
EM1300xP	310W	32V~42V	0A	9.68A	±5%	±1%	630mV
EM1300xQ	310W	44V~56V	0A	7.04A	±5%	±1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	5A to 2.5A
• Inrush Current	75A/100VAC 140A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

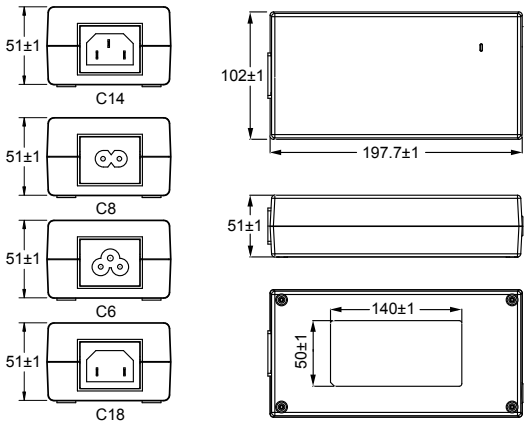
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 197.7L x 102W x 51H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1350g

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1025 Series

• 30W Max.

DC/DC Switching Converter

Features

- 11-16VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1025 - vv PP

vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1025	30W	11~16V	8~12V	0	3A	± 5%	± 1%	120mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 16 VDC
• Input Current	5A Max.
• Efficiency	85% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

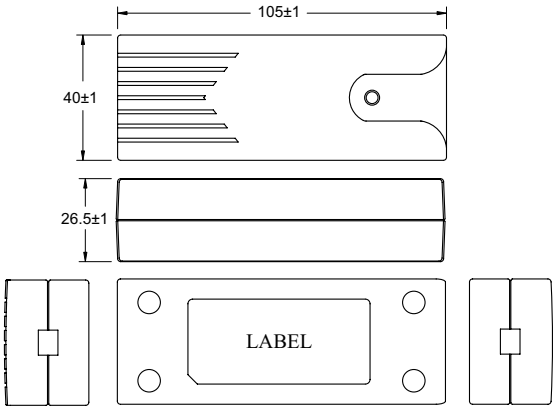
• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY
• Complied with FCC, CE

Mechanical Specification



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: Cigarette Lighter with UL1185 dc cable.
- Weight: 220g

ED1032 Series

• 20~50W Max.

DC/DC Switching Converter

Features

- 11-36VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1032 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1032A	20W	11~36V	5V	0A	4A	± 5%	± 1%	150mV
ED1032B	36W	11~36V	12V	0A	3A	± 5%	± 1%	180mV
ED1032C	40W	11~36V	15V	0A	2.67A	± 5%	± 1%	180mV
ED1032D	50W	11~36V	19V	0A	2.63A	± 5%	± 1%	300mV
ED1032E	50W	11~36V	24V	0A	2.1A	± 5%	± 1%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 36 VDC
• Input Current	6A Max.
• Efficiency	85% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

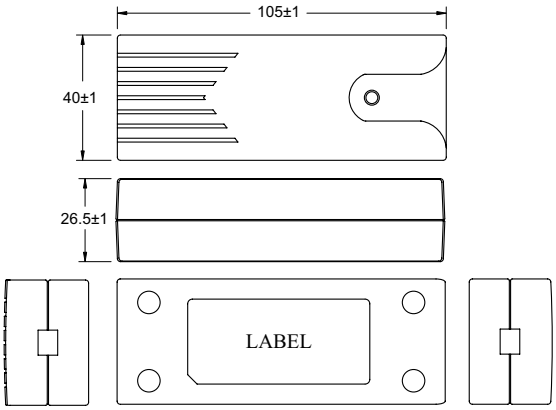
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Complied with FCC, CE

Mechanical Specification



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1046 Series

• 36~45W Max.

DC/DC Switching Converter

Features

- 11-32VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1046 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1046A	45W	11V~32V	20V	0A	2.25A	± 5%	± 1%	360mV
ED1046B	45W	11V~32V	15V	0A	3.0A	± 5%	± 1%	300mV
ED1046C	36W	11V~32V	12V	0A	3.0A	± 5%	± 1%	240mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 32 VDC
• Input Current	7A Max.
• Efficiency	83% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

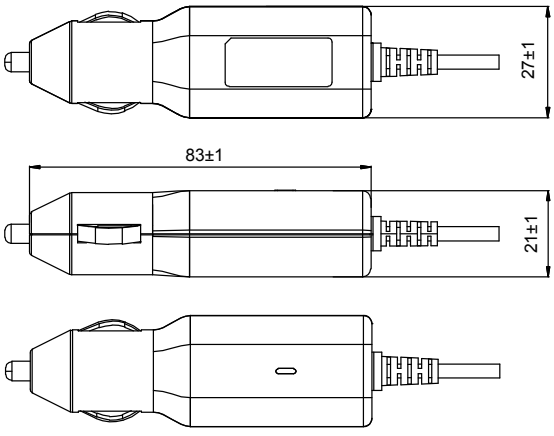
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Complied with FCC, CE
- Certified for assigned models: CE for ED1046A. ED1046B

Mechanical Specification



- Case Size: 83L x 27W x 21H (mm)
- Weight: 40g

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1058 Series

• 41~72W Max.

DC/DC Switching Converter

Features

- 11-36VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1058 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1058	41W	11~36V	10.25V	0	4A	± 5%	± 1%	200mV
ED1058A	72W	11~36V	5~12V	0	6.0A	± 5%	± 1%	240mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 36 VDC
• Input Current	7A Max.
• Efficiency	80% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

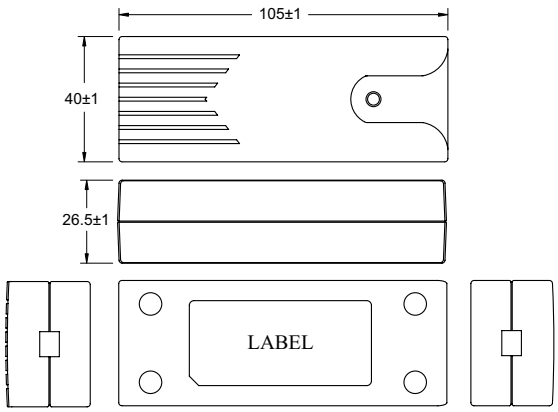
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Complied with FCC, CE

Mechanical Specification



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1062 Series

• 90W Max.

DC/DC Switching Converter

Features

- 11-36VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1062 - vv PP

vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1062	90W	11~36V	12~24V	0	6A	± 5%	± 1%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 36 VDC
• Input Current	10A Max.
• Efficiency	87% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

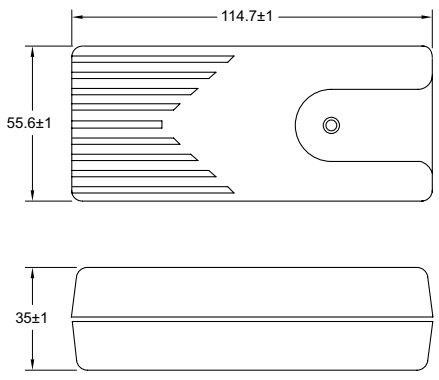
• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY
• Complied with FCC

Mechanical Specification



- Case Size: 114.7L x 55.6W x 35H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 300g

ED1075 Series

• *75W Max.*

DC/DC Switching Converter

Features

- 11-16VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1075 - vv PP

vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1075	75W	11~16V	15~24V	0	4A	± 5%	± 1%	200mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 16 VDC
• Input Current	7A Max.
• Efficiency	85% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

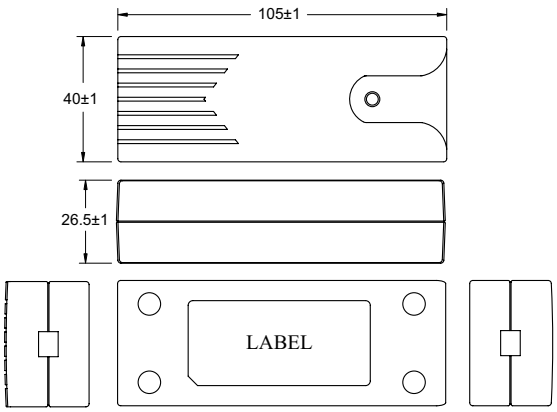
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Complied with FCC, CE

Mechanical Specification



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input : 600mm cable + cigarette plug
- Weight: 220g

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1086 Series

• *85W Max.*

DC/DC Switching Converter

Features

- 11-16VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1086 - vv PP

vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1086	85W	11~16V	18~24V	0A	4.72A	± 5%	± 1%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 16 VDC
• Input Current	10A Max.
• Efficiency	88.5% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

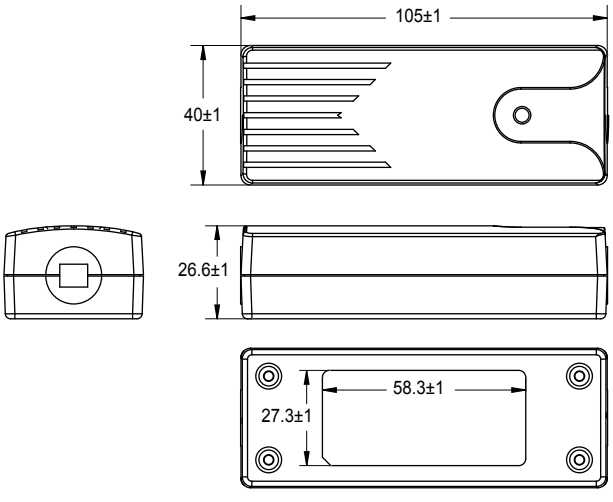
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Complied with FCC, CE

Mechanical Specification



- Case Size: 105L x 40W x 26.6H (mm)
- DC Input : 600mm cable + cigarette plug
- Weight: 220g

ED1096 Series

• 90W Max.

DC/DC Switching Converter

Features

- 11-16VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1096 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)		
ED1096A	90W	11~16V	16V	0	5.62A	± 5%	250mV
ED1096B	90W	11~16V	19V	0	4.73A	± 5%	250mV
ED1096C	90W	11~16V	20V	0	4.5A	± 5%	250mV
ED1096D	90W	11~16V	24V	0	3.75A	± 5%	250mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 16 VDC
• Input Current	10A Max.
• Efficiency	86% Min. Nominal input
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

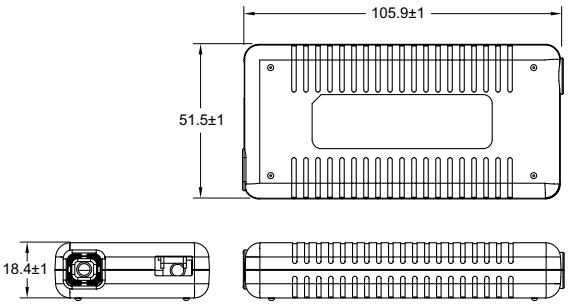
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Complied with FCC, CE (EMC+LVD EN62368-1)

Mechanical Specification



- Case Size: 105.9L x 51.5W x 18.4H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1097 Series

• 90W Max.

DC/DC Switching Converter

Features

- Dual Output
- 11-16VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1097 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1097	90W	11~16V	19~20V	0A	4.61A	± 5%	± 1%	290mV
			5.1V	0A	2.1A	± 5%	± 1%	150mV
ED1097A	90W	11~16V	19.5V	0A	4.61A	± 5%	± 1%	290mV
			5.1V	0A	2.1A	± 5%	± 1%	150mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 16 VDC
• Input Current	10A Max.
• Efficiency	90% Typ.
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

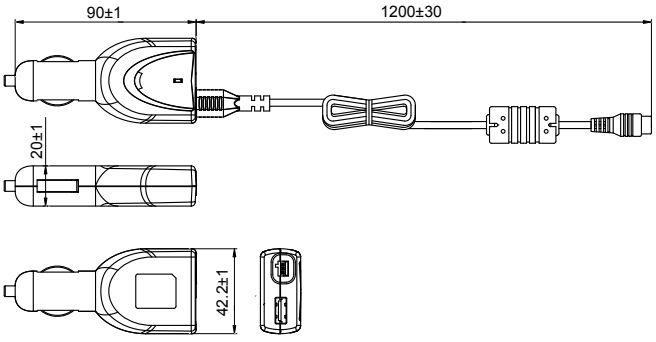
ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Complied with FCC, CE (EMC+LVD EN62368-1)

Mechanical Specification



- Case Size: 90L x 42.2W x 20H (mm)
- Weight: 55g

ED1010 Series

• *120W Max.*

DC/DC Switching Converter

Features

- 11-16VDC Input
- Input voltage protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

ED1010 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refe to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1010A	120W	11~16V	16V	0	7A	± 5%	± 2%	300mV
ED1010B	120W	11~16V	18V	0	6.7A	± 5%	± 2%	300mV
ED1010C	120W	11~16V	19V	0	6.3A	± 5%	± 2%	300mV
ED1010D	120W	11~16V	20V	0	6.0A	± 5%	± 2%	300mV
ED1010E	120W	11~16V	24V	0	5.0A	± 5%	± 2%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	11 to 16 VDC
• Input Current	12A Max.
• Efficiency	87% Min. Nominal input
• Turn On Time	≤3s

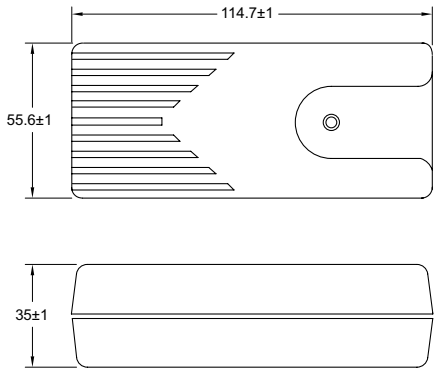
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 114.7L x 55.6W x 35H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 300g

SAFETY

- Complied with FCC, CE
- Certified for assigned model : CE for ED1010A/B/C/D/E; CB, EK for ED1010C

Above safety certificates are for reference only. Please contact our sales department for more details.

Battery Charger

Features

- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/12~35Ah Lead Acid Battery

EA1089 Y - vv PP

Y: Charging Current
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1089D	3.0A	29.4V	27.5V
EA1089C	3.5A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2.5A Max.
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

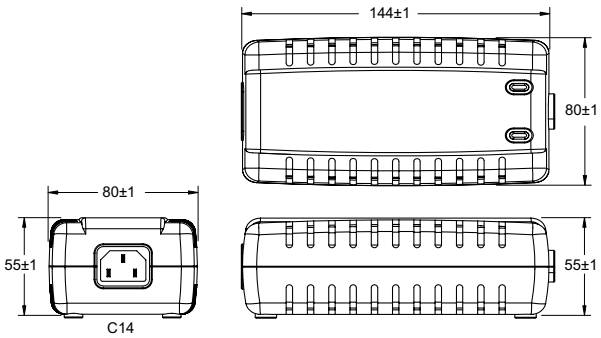
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 144L x 80W x 55H (mm)
- AC Inlet: C14
- Weight: 560g

SAFETY

- Complied with UL/cUL 1012, EN/IEC 60335-1/EN IEC 60335-2-29, FCC, CE

EA1118 Series

• For 24V Lead-Acid

Battery Charger

Features

- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/15~45Ah Lead Acid Battery

EA1118 Y - vv PP

Y: Charging Current
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1118D	4.0A	29.4V	27.5V
EA1118C	4.5A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.2A Max.
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

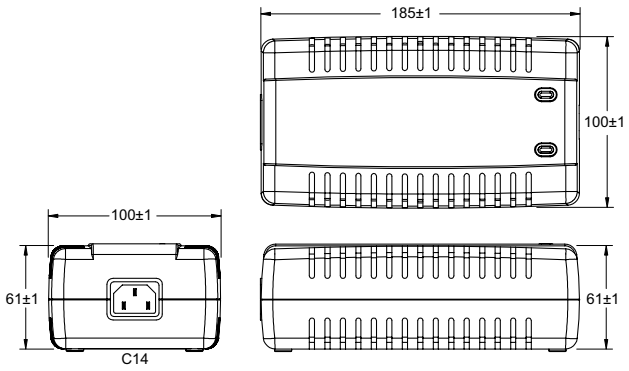
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 185L x 100W x 61H (mm)
- AC Inlet: C14
- Weight: 650g

SAFETY

- Complied with UL/cUL 1012, EN/IEC 60335-1/EN IEC 60335-2-29, FCC, CE

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1148 Series

• *For 24V Lead-Acid*

Battery Charger

Features

- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/17~55Ah Lead Acid Battery

EA1148 Y - vv PP

Y: Charging Current
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1148D	5.0A	29.4V	27.5V
EA1148C	5.5A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A Max.
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

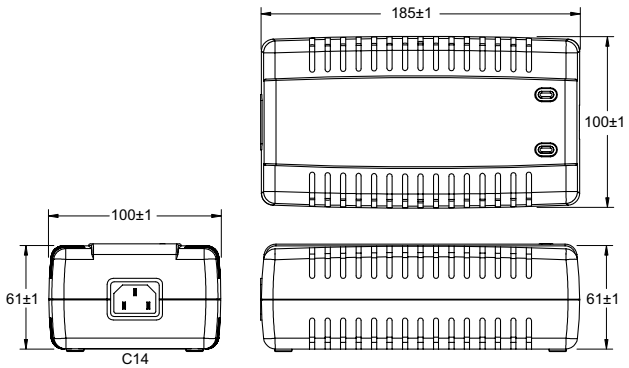
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 185L x 100W x 61H (mm)
- AC Inlet: C14
- Weight: 850g

SAFETY

- Complied with UL/cUL 1012, EN/IEC 60335-1/EN IEC 60335-2-29, FCC, CE

EA1148F Series

• *For 12V Lead-Acid*

Battery Charger

Features

- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/55~90Ah Lead Acid Battery

EA1148F - PP

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL NO.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1148F	10A	14.7V	13.75V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤3.5A Max.
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

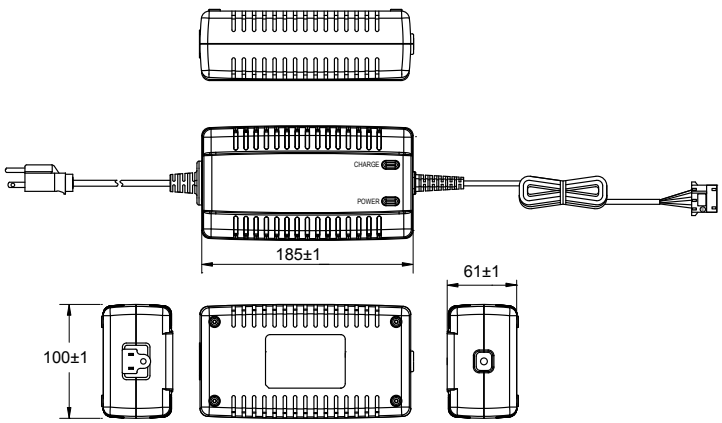
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 185L x 100W x 61H (mm)
- AC Inlet: AC Power Cord
- DC Cable: SVT

SAFETY

- Complied with UL/cUL 1012, EN/IEC 60335-1/EN IEC 60335-2-29, FCC, CE

Above safety certificates are for reference only. Please contact our sales department for more details.

Battery Charger

Features

- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/55~90Ah Lead Acid Battery

EA1230B - PP

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

MODEL NO.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1230B	8A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	6A Max.
• Inrush Current	110A/100VAC 220A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

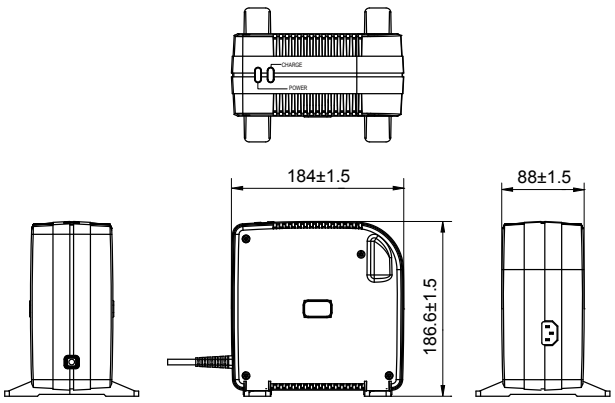
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification



- Case Size: 184L x 88W x 186.6H (mm)
- AC Inlet: C14
- DC Cable: SVT

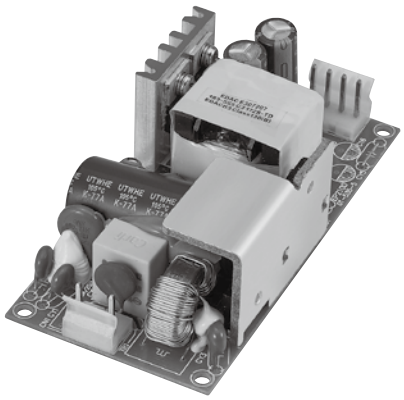
SAFETY

- Certified for whole series: UL/cUL 1012, EN/IEC 60335-1/EN IEC 60335-2-29, CE
- Complied with FCC

EP1100A Series

• *100W Max.*

Open Frame



Features

- 100-240VAC Universal Input
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 50,000 hours

EP1100 A

A: NO PFC Function

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1100A	100W	12V	0A	8.33A	±5%	±1%	240mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	50A/100VAC 100A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

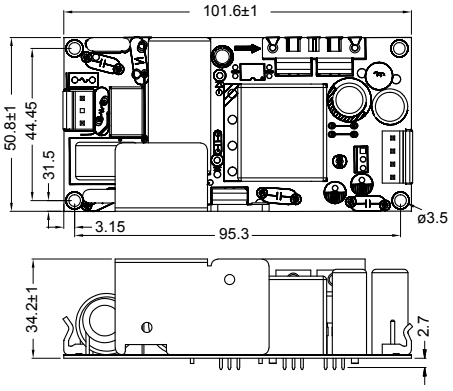
ENVIRONMENT

• Operating Temperature	0 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Certified: UL/cUL 60950-1, CB IEC 60950-1, FCC

Mechanical Specification

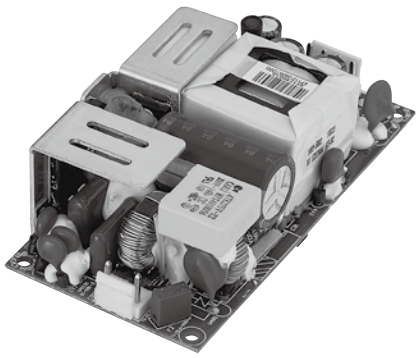


- Mechanical Size: 101.6L x 50.8W x 34.2H (mm)
- AC Input Connector: Molex 09-65-2048 or equivalent
- DC Output Connector: JST VH Series or equivalent
- Pin Assignment:
  CON2:

Single Output	P1-2	P3-4
	GND	VOUT

- Weight: 200g

Open Frame



Features

- 100-240VAC Universal Input
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 100,000 hours

EP1121 X - vv

X: Output range
vv: Specified output voltage, i.e. 24 is 24VDC

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1121A	100W	12~16V	0A	6.25~8.33A	±5%	±1%	270mV
EP1121B		19~24V		4.16~5.26A			360mV
EP1121C		48~52V		1.92~2.08A			780mV
EP1121D	120W	12~16V	0A	7.5~10A	±5%	±1%	270mV
EP1121E		19~24V		5~6.31A			360mV
EP1121F		48~52V		2.5~2.5A			780mV
EP1121H	130W	19~24V	0A	5.41~6.84A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	60A/100VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

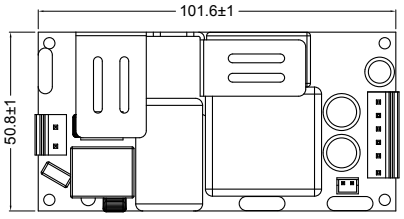
OUTPUT

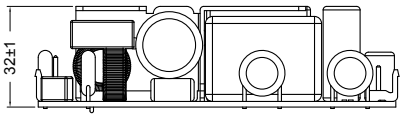
• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off or Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off or Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

Mechanical Specification





- Mechanical Size: 101.6L x 50.8W x 32H (mm)
- AC Input Connector: Molex 09-65-2048 or equivalent
- DC Output Connector: JST VH Series or equivalent
- Pin Assignment:
  CON2:

Single Output	P1-3	P4-6
	GND	VOUT

- Weight: 250g

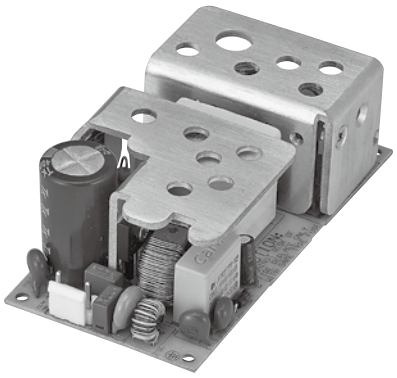
SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

EPM1065 Series

• 30~65W Max.

Medical Open Frame



Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- MTBF > 100,000 hours

EPM V WWW XX Y Z

V: Numbers of outputs
WWW: Total power
XX: Output voltage of main power
Y: Output voltage except for main power
Z: Output current except for main power

MODEL No.		OUTPUT POWER (W)	OUTPUT VOLTAGE (Vdc)	LOAD MIN. (IO)	LOAD MAX. (I)	LOAD REGULATION	RIPPLE & NOISE
Single Output	EPM1065XXYZ	65W	12,15,19,24,36,48V		5.41A	± 5% Max.	± 2% Max.
	EPM1060XXYZ	60W	12,15,19,24,36,48V		5A	± 5% Max.	± 2% Max.
	EPM1050XXYZ	50W	5,12,15,19,24,36,48V		10A	± 5% Max.	± 2% Max.
	EPM1045XXYZ	45W	5,12,15,19,24,36,48V		9A	± 5% Max.	± 2% Max.
	EPM1040XXYZ	40W	5,12,15,19,24,36,48V		8A	± 5% Max.	± 2% Max.
	EPM1030XXYZ	30W	5,12,15,19,24,36,48V		6A	± 5% Max.	± 2% Max.
Dual Output	EPM2WWWXXYZ	30~65W	12,15,19,24V	0.5	5.20A	± 5% Max.	± 2% Max.
			5V	0.5	4A	± 5% Max.	± 2% Max.
Triple Output	EPM3WWWXXYZ	45~65W	12,24V	0.5	3.86A	± 5% Max.	± 2% Max.
			5V	0.5	4A	± 5% Max.	± 2% Max.
			-12V		0.3A		

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: ≤1.5A
- Inrush Current: 60A/100VAC 120A/230VAC
- Hold Up Time: ≥8.3ms
- Turn On Time: ≤3s

OUTPUT

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Latch-off or Auto Recovery

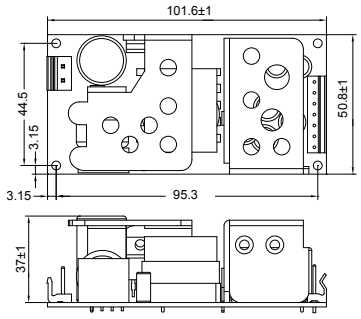
ENVIRONMENT

- Operating Temperature: 0 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Complied with UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE

Mechanical Specification



- Mechanical Size: 101.6 x 50.8 x 37 (mm)
- AC Input Connector: Molex 09-65-2048 or equivalent
- DC Output Connector: JST VH Series or equivalent
- Pin Assignment:

Single Output	P1-3	P4-6	P7	
	GND	5~48V	5V(option)	
Multi Output	P1	P2-3	P4-5	P6-7
	-12V	5V	GND	12~24V

- Weight: 200g

Above safety certificates are for reference only. Please contact our sales department for more details.

EPM1065 Series

• 30~65W Max.

Medical Open Frame

E PM V WWW XX Y Z

E	PM	V	WWW	XX	Y	Z
BUSINESS	TYPE	NUMBERS OF OUTPUTS	TOTAL POWER	OUTPUT VOLTAGE OF MAIN POWER	OUTPUT VOLTAGE EXCEPT FOR MAIN POWER	OUTPUT CURRENT EXCEPT FOR MAIN POWER
EDAC	Medical Open Frame	1 2 3	030 050 040 060 045 065	05=5V 24=24V 12=12V 36=36V 15=15V 48=48V 19=19V	0 = NA D = 5V(0.5A) E = 5V(2A~4A) T = 5V+(- 12V/0.3A)	0=NA 2= 5V/2A 3= 5V/3A 4= 5V/4A

	MODEL NAME	MAIN - POWER			5V/0.5A- POWER			5V/2~4A POWER			-12V POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	IO3(I)	Wo3(W)	
Single output	EPM10651200	12	5.41	65										65
	EPM10651500	15	4.33	65										65
	EPM10651900	19	3.42	65										65
	EPM10652400	24	2.70	65										65
	EPM10653600	36	1.80	65										65
	EPM10654800	48	1.35	65										65
	EPM10601200	12	5.00	60										60
	EPM10601500	15	4.00	60										60
	EPM10601900	19	3.15	60										60
	EPM10602400	24	2.50	60										60
	EPM10603600	36	1.66	60										60
	EPM10604800	48	1.25	60										60
	EPM10500500	5	10.00	50										50
	EPM10501200	12	4.16	50										50
	EPM10501500	15	3.33	50										50
	EPM10501900	19	2.63	50										50
	EPM10502400	24	2.08	50										50
	EPM10503600	36	1.38	50										50
	EPM10504800	48	1.04	50										50
	EPM10450500	5	9.00	45										45
	EPM10451200	12	3.75	45										45
	EPM10451500	15	3.00	45										45
	EPM10451900	19	2.36	45										45
	EPM10452400	24	1.87	45										45
	EPM10453600	36	1.25	45										45
	EPM10454800	48	0.93	45										45
	EPM10400500	5	8.00	40										40
	EPM10401200	12	3.33	40										40
	EPM10401500	15	2.66	40										40
	EPM10401900	19	2.10	40										40
	EPM10402400	24	1.66	40										40
	EPM10403600	36	1.11	40										40
	EPM10404800	48	0.83	40										40
	EPM10300500	5	6.00	30										30
	EPM10301200	12	2.50	30										30
	EPM10301500	15	2.00	30										30
	EPM10301900	19	1.57	30										30
	EPM10302400	24	1.25	30										30

EPM1065 Series

• 30~65W Max.

Medical Open Frame

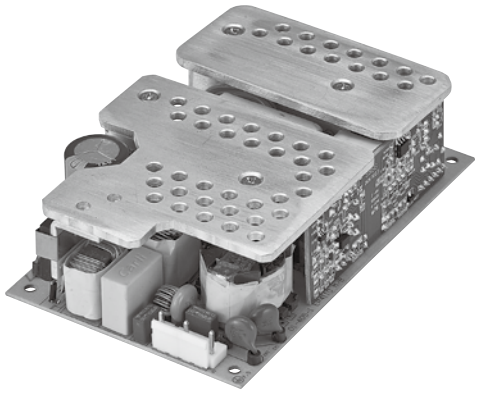
	MODEL NAME	MAIN - POWER			5V/0.5A- POWER			5V/2~4A POWER			-12V POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	IO3(I)	Wo3(W)	
Dual output	EPM206512D0	12	5.20	62.5	5	0.5	2.5							65
	EPM206515D0	15	4.16	62.5	5	0.5	2.5							65
	EPM206519D0	19	3.28	62.5	5	0.5	2.5							65
	EPM206524D0	24	2.60	62.5	5	0.5	2.5							65
	EPM206512E3	12	4.16	50				5	3	15				65
	EPM206524E3	24	2.08	50				5	3	15				65
	EPM206512E4	12	3.75	45				5	4	20				65
	EPM206524E4	24	1.87	45				5	4	20				65
	EPM205012D0	12	3.95	47.5	5	0.5	2.5							50
	EPM205015D0	15	3.16	47.5	5	0.5	2.5							50
	EPM205019D0	19	2.50	47.5	5	0.5	2.5							50
	EPM205024D0	24	1.97	47.5	5	0.5	2.5							50
	EPM205012E3	12	2.91	35				5	3	15				50
	EPM205024E3	24	1.45	35				5	3	15				50
	EPM205012E4	12	2.50	30				5	4	20				50
	EPM205024E4	24	1.25	30				5	4	20				50
	EPM204512D0	12	3.54	42.5	5	0.5	2.5							45
	EPM204515D0	15	2.83	42.5	5	0.5	2.5							45
	EPM204519D0	19	2.23	42.5	5	0.5	2.5							45
	EPM204524D0	24	1.77	42.5	5	0.5	2.5							45
	EPM204512E2	12	2.91	35				5	2	10				45
	EPM204524E2	24	1.45	35				5	2	10				45
	EPM204512E3	12	2.50	30				5	3	15				45
	EPM204524E3	24	1.25	30				5	3	15				45
	EPM204012D0	12	3.12	37.5	5	0.5	2.5							40
	EPM204015D0	15	2.50	37.5	5	0.5	2.5							40
	EPM204019D0	19	1.97	37.5	5	0.5	2.5							40
	EPM204024D0	24	1.56	37.5	5	0.5	2.5							40
	EPM204012E2	12	2.50	30				5	2	10				40
	EPM204024E2	24	1.25	30				5	2	10				40
	EPM204012E3	12	2.08	25				5	3	15				40
	EPM204024E3	24	1.04	25				5	3	15				40
	EPM203012D0	12	2.29	27.5	5	0.5	2.5							30
	EPM203015D0	15	1.83	27.5	5	0.5	2.5							30
	EPM203019D0	19	1.44	27.5	5	0.5	2.5							30
	EPM203024D0	24	1.14	27.5	5	0.5	2.5							30
	EPM203012E2	12	1.66	20				5	2	10				30
	EPM203024E2	24	0.83	20				5	2	10				30
Triple output	EPM306512T3	12	3.86	46.4				5	3	15	-12	0.3	3.6	65
	EPM306512T4	12	3.45	41.4				5	4	20	-12	0.3	3.6	65
	EPM305012T3	12	2.61	31.4				5	3	15	-12	0.3	3.6	50
	EPM305012T4	12	2.20	26.4				5	4	20	-12	0.3	3.6	50
	EPM304512T2	12	2.61	31.4				5	2	10	-12	0.3	3.6	45
	EPM304512T3	12	2.20	26.4				5	3	15	-12	0.3	3.6	45
	EPM306524T3	24	1.93	46.4				5	3	15	-12	0.3	3.6	65
	EPM306524T4	24	1.72	41.4				5	4	20	-12	0.3	3.6	65
	EPM305024T3	24	1.30	31.4				5	3	15	-12	0.3	3.6	50
	EPM305024T4	24	1.10	26.4				5	4	20	-12	0.3	3.6	50
	EPM304524T2	24	1.30	31.4				5	2	10	-12	0.3	3.6	45
	EPM304524T3	24	1.10	26.4				5	3	15	-12	0.3	3.6	45

Above safety certificates are for reference only. Please contact our sales department for more details.

EPM1120 Series

• 80~120W Max.

Medical Open frame



Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
- MTBF >50,000 hours

EPM V WWW XX Y Z

V: Numbers of outputs
WWW: Output power
XX: Output voltage of main power
Y: Output voltage except for main power
Z: Output current except for main power

MODEL NO.		OUTPUT POWER (W)	OUTPUT NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT LOAD (A)	LOAD REGULATION	RIPPLE & NOISE
Single output	EPM1WWWXXYZ	80~120W	Main Power	5,12,18,19,24,36,48V	2.5~16A	± 5% Max.	2% Max.
Dual output	EPM2WWWXXYZ	86~110W	Main Power	5,12,19,24,36,48V	2.08~16A	± 5% Max.	2% Max.
			Stand-by or -12V	5Vsb or -12V	0.5~2A	± 5 or 10% Max.	2% Max.
Triple output	EPM3WWWXXYZ	90~110W	Main Power	5,12,19,24,36,48V	1.96~14.8A	± 5% Max.	2% Max.
			Stand-by Power	5Vsb	2A	± 5% Max.	2% Max.
			DC-DC or -12V	5,12V or -12V	0.5~3A	± 5 or 10% Max.	2% Max.
Quad output	EPM4WWWXXYZ	110W	Main Power	12,19,24V	2.42~7A	± 5% Max.	2% Max.
			DC - DC Power	5,12V	2~3A	± 5% Max.	2% Max.
			-12V Power	-12V	0.5A	± 10% Max.	2% Max.
			Stand-by Power	5Vsb	2A	± 5% Max.	2% Max.

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤2.5A
• Inrush Current	≤60A/110VAC 120A/230VAC
• Hold Up Time	≥8.3ms
• Turn On Time	≤3s

OUTPUT

• Short Circuit Protection	Latch-off or Auto Recovery
• Over Voltage Protection	Latch-off or Auto Recovery
• Over Current Protection	Latch-off or Auto Recovery

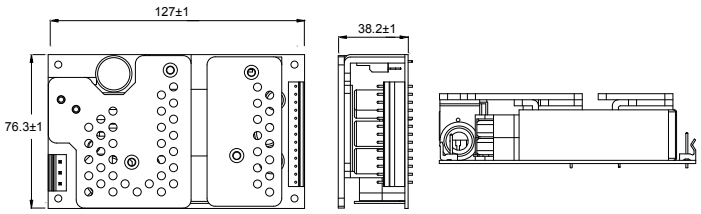
ENVIRONMENT

• Operating Temperature	0 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

• Complied with UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE

Mechanical Specification



- Mechanical Size: 127 x 76.3 x 36.2 (mm)
- AC Input Connector: JST/B5P-VH Series or equivalent
- DC Output Connector P2: JST/B13P-VH Series or equivalent
- DC Output Connector PS3: Goldenconn/BB2009W4HT Series or equivalent
- Pin Assignment:

P2:

P1-4	P5-8,10,13	P9	P11	P12
Main power	GND	-12V Power	Vout2	Stand-by Power

PS3 :

P1	P2	P3	P4
Reset	PS/ON	GND	PG

- Weight: 450g

EPM1120 Series

• 80~120W Max.

Medical Open frame

E PM V WWW XX Y Z

E	P	V	WWW	XX	Y	Z
BUSINESS	TYPE	NUMBER OF OUTPUTS	OUTPUT POWER	OUTPUT VOLTAGE OF MAIN POWER	OUTPUT VOLTAGE EXCEPT FOR MAIN POWER	OUTPUT CURRENT EXCEPT FOR MAIN POWER
EDAC	Medical Open Frame	1= Single output 2= Dual output 3= Triple output 4= quad output	80 106 86 110 90 120 100	05=5V 24=24V 12=12V 36=36V 19=19V 48=48V	0= NA A= Stand by B= 12V C= Stand by+(-12V)	0=NA C= 12V/2A A= 5V/2A D= 12V/3A B= 5V/3A

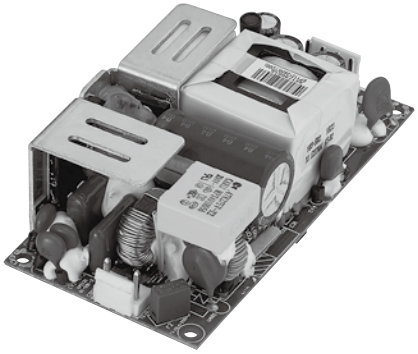
	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Single output	EPM10800500	5	16.00	80										80
	EPM11001200	12	8.33	100										100
	EPM10801800	18	4.44	80										80
	EPM10901800	18	5.00	90										90
	EPM11001800	18	5.56	100										100
	EPM11101800	18	6.11	110										110
	EPM11001900	19	5.26	100										100
	EPM11201900	19	6.32	120										120
	EPM11002400	24	4.17	100										100
	EPM11202400	24	5.00	120										120
	EPM11003600	36	2.78	100										100
	EPM11203600	36	3.33	120										120
	EPM11004800	48	2.08	100										100
	EPM11204800	48	2.50	120										120
Dual output	EPM209005A0	5	16.00	80	5	2	10							90
	EPM211012A0	12	8.33	100	5	2	10							110
	EPM211019A0	19	5.26	100	5	2	10							110
	EPM211024A0	24	4.17	100	5	2	10							110
	EPM211036A0	36	2.78	100	5	2	10							110
	EPM211048A0	48	2.08	100	5	2	10							110
	EPM208605B0	5	16.00	80				-12	0.5	6				86
	EPM210612B0	12	8.33	100				-12	0.5	6				106
	EPM211019B0	19	5.47	104				-12	0.5	6				110
	EPM211024B0	24	4.33	104				-12	0.5	6				110
	EPM211036B0	36	2.89	104				-12	0.5	6				110
	EPM211048B0	48	2.17	104				-12	0.5	6				110
Triple output	EPM309005C0	5	14.80	74	5	2	10	-12	0.5	6				90
	EPM311012C0	12	7.83	94	5	2	10	-12	0.5	6				110
	EPM311019C0	19	4.95	94	5	2	10	-12	0.5	6				110
	EPM311024C0	24	3.92	94	5	2	10	-12	0.5	6				110
	EPM311036C0	36	2.61	94	5	2	10	-12	0.5	6				110
	EPM311048C0	48	1.96	94	5	2	10	-12	0.5	6				110
	EPM311012AA	12	7.50	90	5	2	10				5	2	10	110
	EPM311012AB	12	7.08	85	5	2	10				5	3	15	110
	EPM311019AA	19	4.74	90	5	2	10				5	2	10	110
	EPM311019AB	19	4.47	85	5	2	10				5	3	15	110
	EPM311019AC	19	4.00	76	5	2	10				12	2	24	110
	EPM311019AD	19	3.37	64	5	2	10				12	3	36	110
	EPM311024AA	24	3.75	90	5	2	10				5	2	10	110
	EPM311024AB	24	3.54	85	5	2	10				5	3	15	110
	EPM311024AC	24	3.17	76	5	2	10				12	2	24	110
	EPM311024AD	24	2.67	64	5	2	10				12	3	36	110
Quad output	EPM411012CA	12	7.00	84	5	2	10	-12	0.5	6	5	2	10	110
	EPM411012CB	12	6.58	79	5	2	10	-12	0.5	6	5	3	15	110
	EPM411019CA	19	4.42	84	5	2	10	-12	0.5	6	5	2	10	110
	EPM411019CB	19	4.16	79	5	2	10	-12	0.5	6	5	3	15	110
	EPM411019CC	19	3.68	70	5	2	10	-12	0.5	6	12	2	24	110
	EPM411019CD	19	3.05	58	5	2	10	-12	0.5	6	12	3	36	110
	EPM411024CA	24	3.50	84	5	2	10	-12	0.5	6	5	2	10	110
	EPM411024CB	24	3.29	79	5	2	10	-12	0.5	6	5	3	15	110
	EPM411024CC	24	2.92	70	5	2	10	-12	0.5	6	12	2	24	110
	EPM411024CD	24	2.42	58	5	2	10	-12	0.5	6	12	3	36	110

Above safety certificates are for reference only. Please contact our sales department for more details.

EPM1121 Series

• *120W Max.*

Medical Open Frame



Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours

EPM1121 X - vv

X: Output range
vv: Specified output voltage, i.e. 24 is 24VDC

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EPM1121A	100W	12~16V	0A	6.25~8.33A	±5%	±1%	270mV
EPM1121B		19~24V		4.16~5.26A			360mV
EPM1121C		48~52V		1.92~2.08A			780mV
EPM1121D	120W	12~16V	0A	7.5~10A	±5%	±1%	270mV
EPM1121E		19~24V		5~6.31A			360mV
EPM1121F		48~52V		2.5~2.5A			780mV
EPM1121H	130W	19~24V	0A	5.41~6.84A	±5%	±1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤2.5A
- Inrush Current 60A/100VAC 120A/230VAC
- Hold Up Time ≥8.3ms
- Turn On Time ≤3s

OUTPUT

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Latch-off or Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Latch-off or Auto Recovery

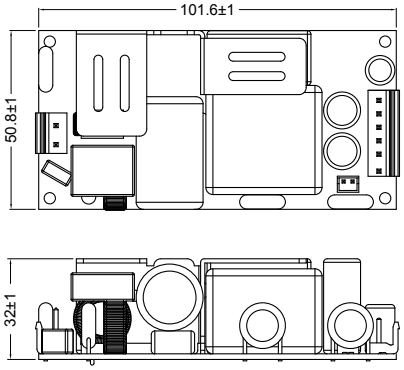
ENVIRONMENT

- Operating Temperature 0 to 50°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- Complied with UL/cUL 60601-1,CB IEC 60601-1, FCC, CE

Mechanical Specification



- Mechanical Size: 101.6L x 50.8W x 32H (mm)
- AC Input Connector: Molex 09-65-2048 or equivalent
- DC Output Connector: JST VH Series or equivalent
- Pin Assignment:
  CON2:

Single Output	P1-3	P4-6
	GND	VOUT

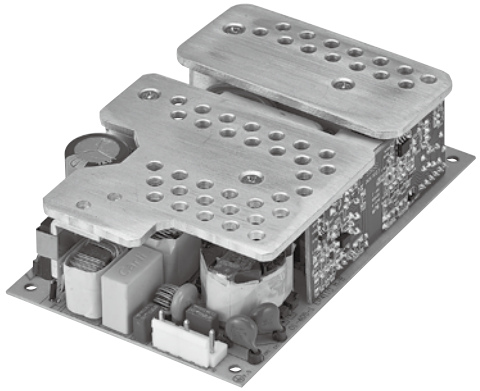
- Weight: 250g

Above safety certificates are for reference only. Please contact our sales department for more details.

EPM1200 Series

• 100~200W Max.

Medical Open Frame



Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- MTBF >50,000 hours

EPM V WWW XX Y Z

V: Numbers of outputs
WWW: Output power
XX: Output voltage of main power
Y: Output voltage except for main power
Z: Output current except for main power

MODEL NO.		OUTPUT POWER (W)	OUTPUT NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT LOAD (A)	LOAD REGULATION	RIPPLE & NOISE
Single output	EPM1WWWXXYZ	80~120W	Main Power	5,12,18,19,24,36,48V	2.5~16A	± 5% Max.	2% Max.
Dual output	EPM2WWWXXYZ	86~110W	Main Power	5,12,19,24,36,48V	2.08~16A	± 5% Max.	2% Max.
			Stand-by or -12V	5Vsb or -12V	0.5~2A	± 5 or 10% Max.	2% Max.
Triple output	EPM3WWWXXYZ	90~110W	Main Power	5,12,19,24,36,48V	1.96~14.8A	± 5% Max.	2% Max.
			Stand-by Power	5Vsb	2A	± 5% Max.	2% Max.
			DC-DC or -12V	5,12V or -12V	0.5~3A	± 5 or 10% Max.	2% Max.
Quad output	EPM4WWWXXYZ	110W	Main Power	12,19,24V	2.42~7A	± 5% Max.	2% Max.
			DC - DC Power	5,12V	2~3A	± 5% Max.	2% Max.
			-12V Power	-12V	0.5A	± 10% Max.	2% Max.
			Stand-by Power	5Vsb	2A	± 5% Max.	2% Max.

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤3.0A
- Inrush Current 60A/110VAC 120A/230VAC
- Hold Up Time ≥10ms
- Turn On Time ≤3s

OUTPUT

- Short Circuit Protection Latch-off or Auto Recovery
- Over Voltage Protection Latch-off or Auto Recovery
- Over Current Protection Latch-off or Auto Recovery
- Over Temperature Protection (optional) Latch-off

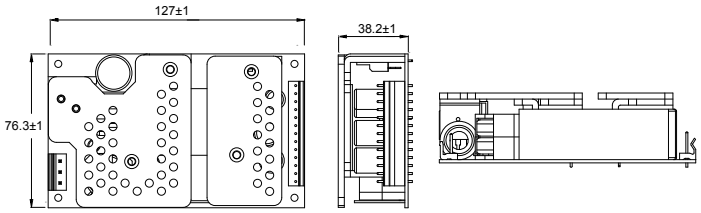
ENVIRONMENT

- Operating Temperature 0 to 50°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- Complied with UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE

Mechanical Specification



- Mechanical Size: 127 x 76.3 x 38.2 (mm)
- AC Input Connector: JST/B5P-VH Series or equivalent
- DC Output Connector P2: JST/B13P-VH Series or equivalent
- DC Output Connector PS3: Goldenconn/BB2009W4HT Series or equivalent
- Pin Assignment:

P2:

P1-4	P5-8,10,13	P9	P11	P12
Main power	GND	-12V Power	Vout2	Stand-by Power

PS3 :

P1	P2	P3	P4
Reset	PS/ON	GND	PG

- Weight: 450g

Above safety certificates are for reference only. Please contact our sales department for more details.

EPM1200 Series

• 100~200W Max.

Medical Open Frame

E PM V WWW XX Y Z

E	P	V	WWW	XX	Y	Z
BUSINESS	TYPE	NUMBER OF OUTPUTS	OUTPUT POWER	OUTPUT VOLTAGE OF MAIN POWER	OUTPUT VOLTAGE EXCEPT FOR MAIN POWER	0~9~A~Z
EDAC	Medical Open Frame	1= Single output 2= Dual output 3= Triple output 4= quad output	100~200	05=5V 24=24V 12=12V 36=36V 18=18V 48=48V 19=19V 56=56V	0=NA A=Stand by B=-12V C=Standby+(- 12V) D=D/D Board	0=NA A=5V/5A B=12V/5A

	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Single output	EPM11000500	5	20.00	100										100
	EPM11100900	9	12.22	110										110
	EPM11350900	9	15.00	135										135
	EPM11251000	10	12.50	125										125
	EPM11501000	10	15.00	150										150
	EPM11251100	11	11.36	125										125
	EPM11651100	11	15.00	165										165
	EPM11501200	12	12.50	150										150
	EPM115012E0	12	12.50	150										150
	EPM11801200	12	15.00	180										180
	EPM11251500	15	8.33	125										125
	EPM11501500	15	10.00	150										150
	EPM11251600	16	7.81	125										125
	EPM11501600	16	9.37	150										150
	EPM11501700	17	8.23	150										150
	EPM11751700	17	10.00	175										175
	EPM11351800	18	7.50	135										135
	EPM11501800	18	8.33	150										150
	EPM11801800	18	10.00	180										180
	EPM11501900	19	7.89	150										150
	EPM11801900	19	9.47	180										180
	EPM12001900	19	10.52	200										200
	EPM11352200	22	6.13	135										135
	EPM11502200	22	6.81	150										150
	EPM11802200	22	8.18	180										180
	EPM11402300	23	6.08	140										140
	EPM11502300	23	6.52	150										150
	EPM11802300	23	7.82	180										180
	EPM11502400	24	6.25	150										150
	EPM11802400	24	7.50	180										180
	EPM12002400	24	8.33	200										200
	EPM11403400	34	4.11	140										140
	EPM11503400	34	4.41	150										150
	EPM11803400	34	5.29	180										180
	EPM11403500	35	4.00	140										140
	EPM11503500	35	4.28	150										150
	EPM11953500	35	5.57	180										195
	EPM11503600	36	4.16	150										150
	EPM11803600	36	5.00	180										180
	EPM12003600	36	5.56	200										200
	EPM11404600	46	3.04	140										140
	EPM11504600	46	3.26	150										150
	EPM11804600	46	3.91	180										180
	EPM11404700	47	2.97	140										140
	EPM11504700	47	3.19	150										150
	EPM11804700	47	3.83	180										180
	EPM11504800	48	3.12	150										150
	EPM11804800	48	3.75	180										180
	EPM12004800	48	4.16	200										200
	EPM11405400	54	2.59	140										140
	EPM11505400	54	2.77	150										150
	EPM11805400	54	3.33	180										180
	EPM11455500	55	2.63	145										145
	EPM11505500	55	2.72	150										150
	EPM11805500	55	3.27	180										180
	EPM11505600	56	2.67	150										150
	EPM11805600	56	3.21	180										180
	EPM12005600	56	3.57	200										200

Medical Open Frame

	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Dual output	EPM210005A0	5	18.00	90	5	2	10							100
	EPM211509A0	9	11.67	115	5	2	10							115
	EPM213809A0	9	14.17	128	5	2	10							138
	EPM212610A0	10	11.60	126	5	2	10							126
	EPM215210A0	10	14.17	142	5	2	10							152
	EPM213811A0	11	11.63	128	5	2	10							138
	EPM216611A0	11	14.17	156	5	2	10							166
	EPM215012A0	12	11.67	140	5	2	10							150
	EPM218012A0	12	14.16	170	5	2	10							180
	EPM212015A0	15	7.33	110	5	2	10							120
	EPM214415A0	15	8.95	134	5	2	10							144
	EPM212716A0	16	7.31	117	5	2	10							127
	EPM215316A0	16	8.95	143	5	2	10							153
	EPM213517A0	17	7.35	125	5	2	10							135
	EPM216317A0	17	8.95	152	5	2	10							162
	EPM214218A0	18	7.33	132	5	2	10							142
	EPM217118A0	18	8.95	161	5	2	10							171
	EPM215019A0	19	7.36	140	5	2	10							150
	EPM218019A0	19	8.94	170	5	2	10							180
	EPM213822A0	22	5.81	128	5	2	10							138
	EPM216622A0	22	7.08	156	5	2	10							166
	EPM214423A0	23	5.82	134	5	2	10							144
	EPM217323A0	23	7.08	163	5	2	10							173
	EPM215024A0	24	5.83	140	5	2	10							150
	EPM218024A0	24	7.08	170	5	2	10							180
	EPM214234A0	34	3.88	132	5	2	10							142
	EPM217034A0	34	4.72	160	5	2	10							170
	EPM214535A0	35	3.85	135	5	2	10							145
	EPM217535A0	35	4.72	165	5	2	10							175
	EPM215036A0	36	3.88	140	5	2	10							150
	EPM218036A0	36	4.72	170	5	2	10							180
	EPM214346A0	46	2.89	133	5	2	10							143
	EPM217346A0	46	3.54	163	5	2	10							173
	EPM214547A0	47	2.87	135	5	2	10							145
	EPM217647A0	47	3.54	166	5	2	10							176
	EPM215048A0	48	2.91	140	5	2	10							150
	EPM218048A0	48	3.54	170	5	2	10							180
	EPM214454A0	54	2.48	134	5	2	10							144
	EPM217454A0	54	3.04	164	5	2	10							174
	EPM214755A0	55	2.49	137	5	2	10							147
	EPM217755A0	55	3.03	167	5	2	10							177
	EPM215056A0	56	2.50	140	5	2	10							150
	EPM218056A0	56	3.03	170	5	2	10							180
	EPM215012B0	12	12.00	144				-12	0.5	6				150
	EPM218012B0	12	14.50	174				-12	0.5	6				180
	EPM215019B0	19	7.57	144				-12	0.5	6				150
	EPM218019B0	19	9.15	174				-12	0.5	6				180
	EPM215024B0	24	6.00	144				-12	0.5	6				150
	EPM218024B0	24	7.25	174				-12	0.5	6				180
	EPM218024DB	24	6.00	144							12	3	36	180
Triple output	EPM215036B0	36	4.00	144				-12	0.5	6				150
	EPM218036B0	36	4.83	174				-12	0.5	6				180
	EPM215048B0	48	3.00	144				-12	0.5	6				150
	EPM218048B0	48	3.62	174				-12	0.5	6				180
	EPM215056B0	56	2.57	144				-12	0.5	6				150
	EPM218056B0	56	3.10	174				-12	0.5	6				180
	EPM313010AA	10	9.50	95	5	2	10				5	5	25	130
	EPM315010AA	10	11.50	115	5	2	10				5	5	25	150
	EPM315011AA	11	9.54	105	5	2	10				5	5	25	140
	EPM315011AA	11	10.45	115	5	2	10				5	5	25	150
	EPM315012AA	12	9.58	115	5	2	10				5	5	25	150
	EPM317512AA	12	11.66	140	5	2	10				5	5	25	175
	EPM312215AA	15	5.80	87	5	2	10				5	5	25	122
	EPM314615AA	15	7.40	111	5	2	10				5	5	25	146
	EPM312816AA	16	5.81	93	5	2	10				5	5	25	128
	EPM315316AA	16	7.37	118	5	2	10				5	5	25	153
	EPM313517AA	17	5.88	100	5	2	10				5	5	25	135

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical Open Frame

	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Triple output	EPM316017AA	17	7.37	125	5	2	10				5	5	25	160
	EPM314218AA	18	5.94	107	5	2	10				5	5	25	142
	EPM316818AA	18	7.38	133	5	2	10				5	5	25	168
	EPM314518AB	18	4.16	75	5	2	10				12	5	60	145
	EPM316818AB	18	5.44	98	5	2	10				12	5	60	168
	EPM315019AA	19	6.05	115	5	2	10				5	5	25	150
	EPM317519AA	19	7.36	140	5	2	10				5	5	25	175
	EPM315019AB	19	4.21	80	5	2	10				12	5	60	150
	EPM317519AB	19	5.52	105	5	2	10				12	5	60	175
	EPM314022AA	22	4.77	105	5	2	10				5	5	25	140
	EPM315022AA	22	5.22	115	5	2	10				5	5	25	150
	EPM314122AB	22	3.22	71	5	2	10				12	5	60	141
	EPM316522AB	22	4.31	95	5	2	10				12	5	60	165
	EPM314523AA	23	4.78	110	5	2	10				5	5	25	145
	EPM316823AA	23	5.78	133	5	2	10				5	5	25	168
	EPM314523AB	23	3.26	75	5	2	10				12	5	60	145
	EPM317023AB	23	4.34	100	5	2	10				12	5	60	170
	EPM315024AA	24	4.79	115	5	2	10				5	5	25	150
	EPM317524AA	24	5.83	140	5	2	10				5	5	25	175
	EPM315024AB	24	3.33	80	5	2	10				12	5	60	150
	EPM317524AB	24	4.37	105	5	2	10				12	5	60	175
	EPM312510C0	10	10.90	109	5	2	10	-12	0.5	6				125
	EPM314910C0	10	13.30	133	5	2	10	-12	0.5	6				149
	EPM313511C0	11	10.81	119	5	2	10	-12	0.5	6				135
	EPM316211C0	11	13.27	146	5	2	10	-12	0.5	6				162
	EPM315012C0	12	11.16	134	5	2	10	-12	0.5	6				150
	EPM317512C0	12	13.25	159	5	2	10	-12	0.5	6				175
	EPM312015C0	15	6.93	104	5	2	10	-12	0.5	6				120
	EPM314215C0	15	8.40	126	5	2	10	-12	0.5	6				142
	EPM312516C0	16	6.81	109	5	2	10	-12	0.5	6				125
	EPM315016C0	16	8.37	134	5	2	10	-12	0.5	6				150
	EPM313517C0	17	7.00	119	5	2	10	-12	0.5	6				135
	EPM315817C0	17	8.37	142	5	2	10	-12	0.5	6				158
	EPM314218C0	18	7.00	126	5	2	10	-12	0.5	6				142
	EPM316718C0	18	8.38	151	5	2	10	-12	0.5	6				167
	EPM315019C0	19	7.05	134	5	2	10	-12	0.5	6				150
	EPM317519C0	19	8.36	159	5	2	10	-12	0.5	6				175
	EPM313522C0	22	5.40	119	5	2	10	-12	0.5	6				135
	EPM316222C0	22	6.63	146	5	2	10	-12	0.5	6				162
	EPM314023C0	23	5.39	124	5	2	10	-12	0.5	6				140
	EPM316823C0	23	6.63	152	5	2	10	-12	0.5	6				168
	EPM315024C0	24	5.58	134	5	2	10	-12	0.5	6				150
	EPM317524C0	24	6.62	159	5	2	10	-12	0.5	6				175
	EPM314034C0	34	3.64	124	5	2	10	-12	0.5	6				140
	EPM315034C0	34	3.94	134	5	2	10	-12	0.5	6				150
	EPM314035C0	35	3.54	124	5	2	10	-12	0.5	6				140
	EPM315035C0	35	3.82	134	5	2	10	-12	0.5	6				150
	EPM315036C0	36	3.72	134	5	2	10	-12	0.5	6				150
	EPM317536C0	36	4.41	159	5	2	10	-12	0.5	6				175
	EPM314046C0	46	2.69	124	5	2	10	-12	0.5	6				140
	EPM315046C0	46	2.91	134	5	2	10	-12	0.5	6				150
	EPM314047C0	47	2.63	124	5	2	10	-12	0.5	6				140
	EPM315047C0	47	2.85	134	5	2	10	-12	0.5	6				150
	EPM315048C0	48	2.79	134	5	2	10	-12	0.5	6				150
	EPM317548C0	48	3.54	170	5	2	10	-12	0.5	6				175
	EPM314054C0	54	3.82	124	5	2	10	-12	0.5	6				140
	EPM316954C0	54	3.72	201	5	2	10	-12	0.5	6				169
	EPM314555C0	55	4.41	129	5	2	10	-12	0.5	6				145
	EPM317255C0	55	2.69	148	5	2	10	-12	0.5	6				172
	EPM315056C0	56	2.91	163	5	2	10	-12	0.5	6				150
	EPM317556C0	56	2.63	147	5	2	10	-12	0.5	6				175

Medical Open Frame

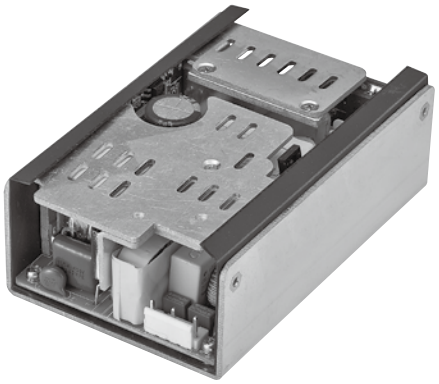
	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Quad output	EPM413010CA	10	8.90	89	5	2	10	-12	0.5	6	5	5	25	130
	EPM415010CA	10	10.90	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM414011CA	11	9.00	99	5	2	10	-12	0.5	6	5	5	25	140
	EPM415011CA	11	9.90	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM415012CA	12	9.08	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM417512CA	12	11.60	134	5	2	10	-12	0.5	6	5	5	25	175
	EPM412715CA	15	5.73	86	5	2	10	-12	0.5	6	5	5	25	127
	EPM414615CA	15	7.00	105	5	2	10	-12	0.5	6	5	5	25	146
	EPM413216CA	16	5.68	91	5	2	10	-12	0.5	6	5	5	25	132
	EPM415316CA	16	7.00	112	5	2	10	-12	0.5	6	5	5	25	153
	EPM415017CA	17	6.41	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM416017CA	17	7.00	119	5	2	10	-12	0.5	6	5	5	25	160
	EPM414418CA	18	5.72	103	5	2	10	-12	0.5	6	5	5	25	144
	EPM416718CA	18	7.00	126	5	2	10	-12	0.5	6	5	5	25	167
	EPM414618CA	18	3.88	70	5	2	10	-12	0.5	6	12	5	60	146
	EPM416818CA	18	5.11	92	5	2	10	-12	0.5	6	12	5	60	168
	EP4M15019CA	19	5.73	109	5	2	10	-12	0.5	6	5	5	25	150
	EP4M17519CA	19	7.05	134	5	2	10	-12	0.5	6	5	5	25	175
	EP4M15019CB	19	4.36	74	5	2	10	-12	0.5	6	12	5	60	150
	EP4M17519CB	19	5.21	99	5	2	10	-12	0.5	6	12	5	60	175
	EP4M14022CA	22	4.50	99	5	2	10	-12	0.5	6	5	5	25	140
	EP4M16222CA	22	5.50	121	5	2	10	-12	0.5	6	5	5	25	162
	EP4M14322CA	22	3.04	67	5	2	10	-12	0.5	6	12	5	60	143
	EP4M16622CA	22	4.09	90	5	2	10	-12	0.5	6	12	5	60	166
	EP4M14523CA	23	4.52	104	5	2	10	-12	0.5	6	5	5	25	145
	EP4M16823CA	23	5.52	127	5	2	10	-12	0.5	6	5	5	25	168
	EP4M14523CA	23	3.00	69	5	2	10	-12	0.5	6	12	5	60	145
	EP4M17123CA	23	4.13	95	5	2	10	-12	0.5	6	12	5	60	171
	EP4M15024CA	24	4.54	109	5	2	10	-12	0.5	6	5	5	25	150
	EP4M17524CA	24	5.58	134	5	2	10	-12	0.5	6	5	5	25	175
	EP4M15024CB	24	3.08	74	5	2	10	-12	0.5	6	12	5	60	150
	EP4M17524CB	24	4.12	99	5	2	10	-12	0.5	6	12	5	60	175

Above safety certificates are for reference only. Please contact our sales department for more details.

EPM1200U Series

• 100~200W Max.

Medical Open frame



Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC60601-1 Approval
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- MTBF >50,000 hours

EPM V WWW XX Y Z U

V: Numbers of outputs
WWW: Output power
XX: Output voltage of main power
Y: Output voltage except for main power
Z: Output current except for main power
U: U-bracket

MODEL NO.		OUTPUT POWER (W)	OUTPUT NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT LOAD (A)	LOAD REGULATION	RIPPLE & NOISE
Single output	EPM1WWWXXYZU	100~200W	Main Power	5~56V	2.59~20A	± 5% Max.	2% Max.
Dual output	EPM2WWWXXYZU	100~180W	Main Power/DC-DC	5~56V	2.48~18.0A	± 5% Max.	2% Max.
			Stand-by or -12V	5Vsb or -12V	0~2A or 0~0.5A	± 5 or 10% Max.	2% Max.
Triple output	EPM4WWWXXYZU	100~175W	Main Power	10~56V	2.63~13.3A	± 5% Max.	2% Max.
			Stand-by Power	5Vsb	0~2A	± 5% Max.	2% Max.
			DC-DC or -12V	5/12V or -12V	0~5A or 0~0.5A	± 5 or 10% Max.	2% Max.
Quad output	EPM4WWWXXYZ	100~175W	Main Power	10~24V	3.0~11.16A	± 5% Max.	2% Max.
			DC - DC Power	5,12V	0~5A or 0~0.5A	± 5% Max.	2% Max.
			-12V Power	-12V	0~0.5A	± 10% Max.	2% Max.
			Stand-by Power	5Vsb	0~2A	± 5% Max.	2% Max.

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

Electrical Specification

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤3.0A
- Inrush Current ≤60A/110VAC 120A/230VAC
- Hold Up Time ≥10ms
- Turn On Time ≤3s

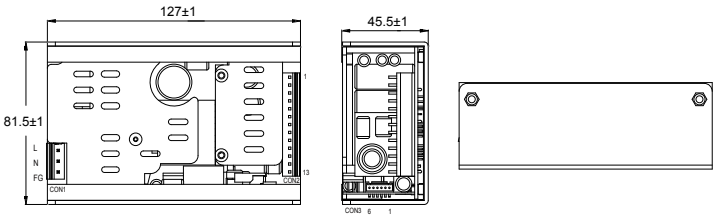
OUTPUT

- Short Circuit Protection Latch-off or Auto Recovery
- Over Voltage Protection Latch-off or Auto Recovery
- Over Current Protection Latch-off or Auto Recovery
- Over Temperature Protection (optional) Latch-off

ENVIRONMENT

- Operating Temperature 0 to 50°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

Mechanical Specification



- Mechanical Size: 127 x 81.5 x 45.5 (mm)
- AC Input Connector CON1 : JST/B5P-VH Series or equivalent
- DC Output Connector CON2 : JST/B13P-VH Series or equivalent
- DC Output Connector CON3 : CKM/20010203-6 or equivalent
- Pin Assignment:

CON2 :

P1	P2-5	P6-9	P10-11	P12-13
Vout3	GND	Vout1	GND	Vout4

CON3 :

P1	P2	P3-4	P5-6
P.G/P.F	PS/ON	Vout2	GND

- Weight: 450g

SAFETY

- Complied with UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE

EPM1200U Series

• 100~200W Max.

Medical Open frame

E PM V WWW XX Y Z U

E	PM	V	WWW	XX	Y	Z	U
BUSINESS	TYPE	NUMBER OF OUTPUTS	OUTPUT POWER	OUTPUT VOLTAGE OF MAIN POWER	OUTPUT VOLTAGE EXCEPT FOR MAIN POWER	OUTPUT CURRENT EXCEPT FOR MAIN POWER	--
EDAC	Medical Open Frame	1= Single output 2= Dual output 3= Triple output 4= quad output	100~200	05=5V 24=24V 12=12V 36=36V 18=18V 48=48V 19=19V 56=56V	0=NA A= Stand by B = - 12V C=Standby+(- 12V) D=D/D Board	0=NA A=5V/5A B=12V/5A	U-Bracket

	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Single output	EPM11000500U	5	20.00	100										100
	EPM11100900U	9	12.22	110										110
	EPM11350900U	9	15.00	135										135
	EPM11251000U	10	12.50	125										125
	EPM11501000U	10	15.00	150										150
	EPM11251100U	11	11.36	125										125
	EPM11651100U	11	15.00	165										165
	EPM11501200U	12	12.50	150										150
	EPM115012E0U	12	12.50	150										150
	EPM11801200U	12	15.00	180										180
	EPM11251500U	15	8.33	125										125
	EPM11501500U	15	10.00	150										150
	EPM11251600U	16	7.81	125										125
	EPM11501600U	16	9.37	150										150
	EPM11501700U	17	8.23	150										150
	EPM11751700U	17	10.00	175										175
	EPM11351800U	18	7.50	135										135
	EPM11501800U	18	8.33	150										150
	EPM11801800U	18	10.00	180										180
	EPM11501900U	19	7.89	150										150
	EPM11801900U	19	9.47	180										180
	EPM12001900U	19	10.52	200										200
	EPM11352200U	22	6.13	135										135
	EPM11502200U	22	6.81	150										150
	EPM11802200U	22	8.18	180										180
	EPM11402300U	23	6.08	140										140
	EPM11502300U	23	6.52	150										150
	EPM11802300U	23	7.82	180										180
	EPM11502400U	24	6.25	150										150
	EPM11802400U	24	7.50	180										180
	EPM12002400U	24	8.33	200										200
	EPM11403400U	34	4.11	140										140
	EPM11503400U	34	4.41	150										150
	EPM11803400U	34	5.29	180										180
	EPM11403500U	35	4.00	140										140
	EPM11503500U	35	4.28	150										150
	EPM11953500U	35	5.57	180										195
	EPM11503600U	36	4.16	150										150
	EPM11803600U	36	5.00	180										180
	EPM12003600U	36	5.56	200										200
	EPM11404600U	46	3.04	140										140
	EPM11504600U	46	3.26	150										150
	EPM11804600U	46	3.91	180										180
	EPM11404700U	47	2.97	140										140
	EPM11504700U	47	3.19	150										150
	EPM11804700U	47	3.83	180										180
	EPM11504800U	48	3.12	150										150
	EPM11804800U	48	3.75	180										180
	EPM12004800U	48	4.16	200										200
	EPM11405400U	54	2.59	140										140
	EPM11505400U	54	2.77	150										150
	EPM11805400U	54	3.33	180										180
	EPM11455500U	55	2.63	145										145
	EPM11505500U	55	2.72	150										150
	EPM11805500U	55	3.27	180										180
	EPM11505600U	56	2.67	150										150
	EPM11805600U	56	3.21	180										180
	EPM12005600U	56	3.57	200										200

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Medical Open frame

	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Dual output	EPM210005A0U	56	3.57	200										200
	EPM211509A0U	5	18.00	90	5	2	10							100
	EPM213809A0U	9	11.67	115	5	2	10							115
	EPM212610A0U	9	14.17	128	5	2	10							138
	EPM215210A0U	10	11.60	126	5	2	10							126
	EPM213811A0U	10	14.17	142	5	2	10							152
	EPM216611A0U	11	11.63	128	5	2	10							138
	EPM215012A0U	11	14.17	156	5	2	10							166
	EPM218012A0U	12	11.67	140	5	2	10							150
	EPM212015A0U	12	14.16	170	5	2	10							180
	EPM214415A0U	15	7.33	110	5	2	10							120
	EPM212716A0U	15	8.95	134	5	2	10							144
	EPM215316A0U	16	7.31	117	5	2	10							127
	EPM213517A0U	16	8.95	143	5	2	10							153
	EPM216317A0U	17	7.35	125	5	2	10							135
	EPM214218A0U	17	8.95	152	5	2	10							162
	EPM217118A0U	18	7.33	132	5	2	10							142
	EPM215019A0U	18	8.95	161	5	2	10							171
	EPM218019A0U	19	7.36	140	5	2	10							150
	EPM213822A0U	19	8.94	170	5	2	10							180
	EPM216622A0U	22	5.81	128	5	2	10							138
	EPM214423A0U	22	7.08	156	5	2	10							166
	EPM217323A0U	23	5.82	134	5	2	10							144
	EPM215024A0U	23	7.08	163	5	2	10							173
	EPM218024A0U	24	5.83	140	5	2	10							150
	EPM214234A0U	24	7.08	170	5	2	10							180
	EPM217034A0U	34	3.88	132	5	2	10							142
	EPM214535A0U	34	4.72	160	5	2	10							170
	EPM217535A0U	35	3.85	135	5	2	10							145
	EPM215036A0U	35	4.72	165	5	2	10							175
	EPM218036A0U	36	3.88	140	5	2	10							150
	EPM214346A0U	36	4.72	170	5	2	10							180
	EPM217346A0U	46	2.89	133	5	2	10							143
	EPM214547A0U	46	3.54	163	5	2	10							173
	EPM217647A0U	47	2.87	135	5	2	10							145
	EPM215048A0U	47	3.54	166	5	2	10							176
	EPM218048A0U	48	2.91	140	5	2	10							150
	EPM214454A0U	48	3.54	170	5	2	10							180
	EPM217454A0U	54	2.48	134	5	2	10							144
	EPM214755A0U	54	3.04	164	5	2	10							174
	EPM217755A0U	55	2.49	137	5	2	10							147
	EPM215056A0U	55	3.03	167	5	2	10							177
	EPM218056A0U	56	2.50	140	5	2	10							150
	EPM215012B0U	56	3.03	170	5	2	10							180
	EPM218012B0U	12	12.00	144				-12	0.5	6				150
	EPM215019B0U	12	14.50	174				-12	0.5	6				180
	EPM218019B0U	19	7.57	144				-12	0.5	6				150
	EPM215024B0U	19	9.15	174				-12	0.5	6				180
	EPM218024B0U	24	6.00	144				-12	0.5	6				150
	EPM218024DBU	24	7.25	174				-12	0.5	6				180
	EPM215036B0U	24	6.00	144							12	3	36	180
Triple output	EPM218036B0U	36	4.00	144				-12	0.5	6				150
	EPM215048B0U	36	4.83	174				-12	0.5	6				180
	EPM218048B0U	48	3.00	144				-12	0.5	6				150
	EPM215056B0U	48	3.62	174				-12	0.5	6				180
	EPM218056B0U	56	2.57	144				-12	0.5	6				150
	EPM313010AAU	56	3.10	174				-12	0.5	6				180
	EPM315010AAU	10	9.50	95	5	2	10				5	5	25	130
	EPM315011AAU	10	11.50	115	5	2	10				5	5	25	150
	EPM315011AAU	11	9.54	105	5	2	10				5	5	25	140
	EPM315012AAU	11	10.45	115	5	2	10				5	5	25	150
	EPM317512AAU	12	9.58	115	5	2	10				5	5	25	150
	EPM312215AAU	12	11.66	140	5	2	10				5	5	25	175
	EPM314615AAU	15	5.80	87	5	2	10				5	5	25	122
	EPM312816AAU	15	7.40	111	5	2	10				5	5	25	146
	EPM315316AAU	16	5.81	93	5	2	10				5	5	25	128
	EPM313517AAU	16	7.37	118	5	2	10				5	5	25	153
	EPM316017AAU	17	5.88	100	5	2	10				5	5	25	135

EPM1200U Series

• 100~200W Max.

Medical Open frame

	MODEL NAME	MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Triple output	EPM314218AAU	17	7.37	125	5	2	10				5	5	25	160
	EPM316818AAU	18	5.94	107	5	2	10				5	5	25	142
	EPM314518ABU	18	7.38	133	5	2	10				5	5	25	168
	EPM316818ABU	18	4.16	75	5	2	10				12	5	60	145
	EPM315019AAU	18	5.44	98	5	2	10				12	5	60	168
	EPM317519AAU	19	6.05	115	5	2	10				5	5	25	150
	EPM315019ABU	19	7.36	140	5	2	10				5	5	25	175
	EPM317519ABU	19	4.21	80	5	2	10				12	5	60	150
	EPM314022AAU	19	5.52	105	5	2	10				12	5	60	175
	EPM315022AAU	22	4.77	105	5	2	10				5	5	25	140
	EPM314122ABU	22	5.22	115	5	2	10				5	5	25	150
	EPM316522ABU	22	3.22	71	5	2	10				12	5	60	141
	EPM314523AAU	22	4.31	95	5	2	10				12	5	60	165
	EPM316823AAU	23	4.78	110	5	2	10				5	5	25	145
	EPM314523ABU	23	5.78	133	5	2	10				5	5	25	168
	EPM317023ABU	23	3.26	75	5	2	10				12	5	60	145
	EPM315024AAU	23	4.34	100	5	2	10				12	5	60	170
	EPM317524AAU	24	4.79	115	5	2	10				5	5	25	150
	EPM315024ABU	24	5.83	140	5	2	10				5	5	25	175
	EPM317524ABU	24	3.33	80	5	2	10				12	5	60	150
	EPM312510C0U	24	4.37	105	5	2	10				12	5	60	175
	EPM314910C0U	10	10.90	109	5	2	10	-12	0.5	6				125
	EPM313511C0U	10	13.30	133	5	2	10	-12	0.5	6				149
	EPM316211C0U	11	10.81	119	5	2	10	-12	0.5	6				135
	EPM315012C0U	11	13.27	146	5	2	10	-12	0.5	6				162
	EPM317512C0U	12	11.16	134	5	2	10	-12	0.5	6				150
	EPM312015C0U	12	13.25	159	5	2	10	-12	0.5	6				175
	EPM314215C0U	15	6.93	104	5	2	10	-12	0.5	6				120
	EPM312516C0U	15	8.40	126	5	2	10	-12	0.5	6				142
	EPM315016C0U	16	6.81	109	5	2	10	-12	0.5	6				125
	EPM313517C0U	16	8.37	134	5	2	10	-12	0.5	6				150
	EPM315817C0U	17	7.00	119	5	2	10	-12	0.5	6				135
	EPM314218C0U	17	8.37	142	5	2	10	-12	0.5	6				158
	EPM316718C0U	18	7.00	126	5	2	10	-12	0.5	6				142
	EPM315019C0U	18	8.38	151	5	2	10	-12	0.5	6				167
	EPM317519C0U	19	7.05	134	5	2	10	-12	0.5	6				150
	EPM313522C0U	19	8.36	159	5	2	10	-12	0.5	6				175
	EPM316222C0U	22	5.40	119	5	2	10	-12	0.5	6				135
	EPM314023C0U	22	6.63	146	5	2	10	-12	0.5	6				162
	EPM316823C0U	23	5.39	124	5	2	10	-12	0.5	6				140
	EPM315024C0U	23	6.63	152	5	2	10	-12	0.5	6				168
	EPM317524C0U	24	5.58	134	5	2	10	-12	0.5	6				150
	EPM314034C0U	24	6.62	159	5	2	10	-12	0.5	6				175
	EPM315034C0U	34	3.64	124	5	2	10	-12	0.5	6				140
	EPM314035C0U	34	3.94	134	5	2	10	-12	0.5	6				150
	EPM315035C0U	35	3.54	124	5	2	10	-12	0.5	6				140
	EPM315036C0U	35	3.82	134	5	2	10	-12	0.5	6				150
	EPM317536C0U	36	3.72	134	5	2	10	-12	0.5	6				150
	EPM314046C0U	36	4.41	159	5	2	10	-12	0.5	6				175
	EPM315046C0U	46	2.69	124	5	2	10	-12	0.5	6				140
	EPM314047C0U	46	2.91	134	5	2	10	-12	0.5	6				150
	EPM315047C0U	47	2.63	124	5	2	10	-12	0.5	6				140
	EPM315048C0U	47	2.85	134	5	2	10	-12	0.5	6				150
	EPM317548C0U	48	2.79	134	5	2	10	-12	0.5	6				150
	EPM314054C0U	48	3.54	170	5	2	10	-12	0.5	6				175
	EPM316954C0U	54	3.82	124	5	2	10	-12	0.5	6				140
	EPM314555C0U	54	3.72	201	5	2	10	-12	0.5	6				169
	EPM317255C0U	55	4.41	129	5	2	10	-12	0.5	6				145
	EPM315056C0U	55	2.69	148	5	2	10	-12	0.5	6				172
	EPM317556C0U	56	2.91	163	5	2	10	-12	0.5	6				150

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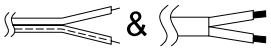
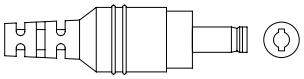
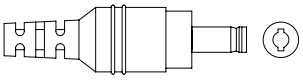
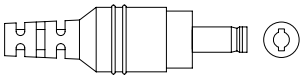
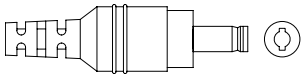
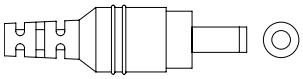
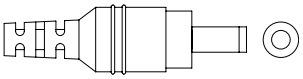
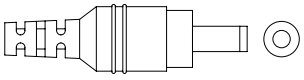
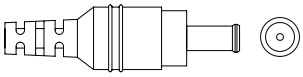
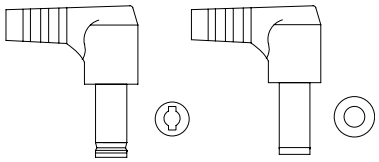
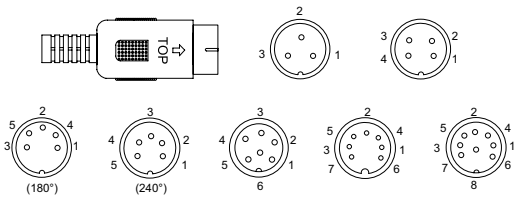
Medical Open frame

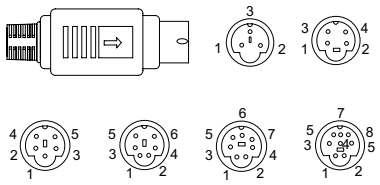
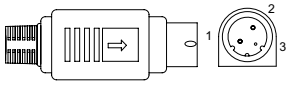
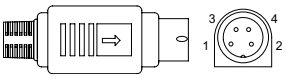
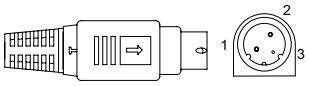
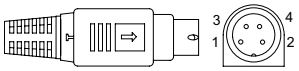
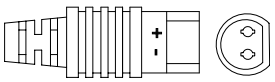
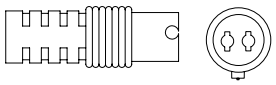
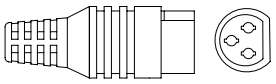
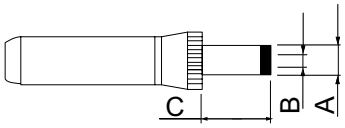
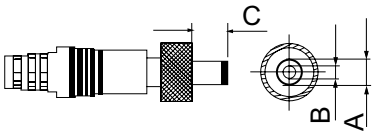
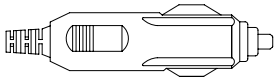
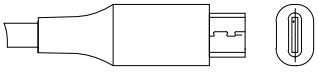
MODEL NAME		MAIN- POWER			STAND BY- POWER			-12V POWER			DC TO DC POWER			TOTAL POWER
		Vo1(V)	Io1(I)	Wo1(W)	Vo2(V)	Io2(I)	Wo2(W)	Vo3(V)	Io3(I)	Wo3(W)	Vo4(V)	IO4(I)	Wo4(W)	
Quad output	EPM413010CAU	56	2.63	147	5	2	10	-12	0.5	6				175
	EPM415010CAU	10	8.90	89	5	2	10	-12	0.5	6	5	5	25	130
	EPM414011CAU	10	10.90	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM415011CAU	11	9.00	99	5	2	10	-12	0.5	6	5	5	25	140
	EPM415012CAU	11	9.90	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM417512CAU	12	9.08	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM412715CAU	12	11.60	134	5	2	10	-12	0.5	6	5	5	25	175
	EPM414615CAU	15	5.73	86	5	2	10	-12	0.5	6	5	5	25	127
	EPM413216CAU	15	7.00	105	5	2	10	-12	0.5	6	5	5	25	146
	EPM415316CAU	16	5.68	91	5	2	10	-12	0.5	6	5	5	25	132
	EPM415017CAU	16	7.00	112	5	2	10	-12	0.5	6	5	5	25	153
	EPM416017CAU	17	6.41	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM414418CAU	17	7.00	119	5	2	10	-12	0.5	6	5	5	25	160
	EPM416718CAU	18	5.72	103	5	2	10	-12	0.5	6	5	5	25	144
	EPM414618CAU	18	7.00	126	5	2	10	-12	0.5	6	5	5	25	167
	EPM416818CAU	18	3.88	70	5	2	10	-12	0.5	6	12	5	60	146
	EPM415019CAU	18	5.11	92	5	2	10	-12	0.5	6	12	5	60	168
	EPM417519CAU	19	5.73	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM415019CBU	19	7.05	134	5	2	10	-12	0.5	6	5	5	25	175
	EPM417519CBU	19	4.36	74	5	2	10	-12	0.5	6	12	5	60	150
	EPM414022CAU	19	5.21	99	5	2	10	-12	0.5	6	12	5	60	175
	EPM416222CAU	22	4.50	99	5	2	10	-12	0.5	6	5	5	25	140
	EPM414322CAU	22	5.50	121	5	2	10	-12	0.5	6	5	5	25	162
	EPM416622CAU	22	3.04	67	5	2	10	-12	0.5	6	12	5	60	143
	EPM414523CAU	22	4.09	90	5	2	10	-12	0.5	6	12	5	60	166
	EPM416823CAU	23	4.52	104	5	2	10	-12	0.5	6	5	5	25	145
	EPM414523CAU	23	5.52	127	5	2	10	-12	0.5	6	5	5	25	168
	EPM417123CAU	23	3.00	69	5	2	10	-12	0.5	6	12	5	60	145
	EPM415024CAU	23	4.13	95	5	2	10	-12	0.5	6	12	5	60	171
	EPM417524CAU	24	4.54	109	5	2	10	-12	0.5	6	5	5	25	150
	EPM415024CBU	24	5.58	134	5	2	10	-12	0.5	6	5	5	25	175
	EPM417524CBU	24	3.08	74	5	2	10	-12	0.5	6	12	5	60	150

Appendix: Plug List of Output Cable

CODE	PLUG TYPE	SPECIFICATION	OUTLINE / DRAWING
00	Strip & Tined	NC	
01	Barrel Type	5.5x2.1	
02		5.5x2.5	
03		4.75x1.7	
04		4.0x1.7	
05		3.5x1.35	
06		2.35x0.7	
07		6.3x3.0	
08		6.5x1.4	
11	Barrel Type Right Angle	5.5x2.1	
12		5.5x2.5	
13		4.75x1.7	
14		4.0x1.7	
15		3.5x1.35	
16		2.35x0.7	
17		6.3x3.0	
18		6.5x1.4	
21	Din (male)	3Pin	
22		4Pin	
23		5Pin(180)	
24		5Pin(240)	
25		6Pin	
26		7Pin	
27		8Pin	

Above safety certificates are for reference only. Please contact our sales department for more details.

Appendix: Plug List of Output Cable

CODE	PLUG TYPE	SPECIFICATION	OUTLINE / DRAWING
31	Mini-Din (male)	3Pin	
32		4Pin	
33		5Pin	
34		6Pin	
35		7Pin	
36		8Pin	
41	Power-Mini Din (male)	3Pin (Molding)	
42		4Pin (Molding)	
45		3Pin (Assembly/Lock Type)	
46		4Pin (Assembly/Lock Type)	
61	Interchangeable Connector	2Pin	
62		2Pin	
63		3Pin	
71	Switchcraft Locking Type	A:5.5, B:2.5 C:0.375"(9.52mm)	
72		A:5.5, B:2.5 C:0.475"(12.06mm)	
73		A:5.5, B:2.1 C:0.375"(9.52mm)	
74		A:5.5, B:2.1 C:0.475"(12.06mm)	
81	DC Jack with Screw	A:5.5, B:2.1, C:7.5	
82		A:5.5, B:2.1, C:10.1	
91	Cigarette Lighter		
92	USB Type C		

Memo

SAFETY APPROVALS

EDAC's products can meet various safety approvals as quality assurance.

ITE 60950 / MME 62368

Medical 60601

Energy Saving

NRCan (Canada)

DOE Level VI (USA)

CoC Tier 2

(Europe)

Others

CCC (China)

BSMI (Taiwan)

PSE (Japan)

RCM (Australia)

KCC (Korea)

BIS (India)

EAC (Russia)

PSB (Singapore)

S-Mark (Argentina)

ISO

ISO14001 (Certified in 2018)

ISO 9001 (Certified in 2018)

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