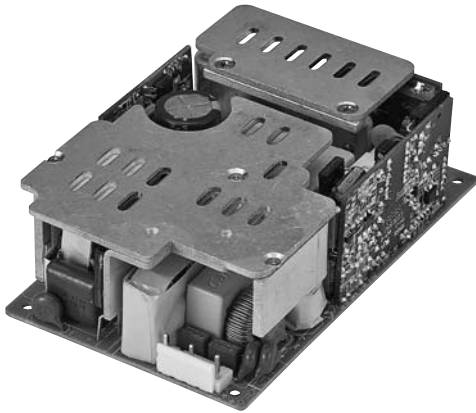


EP1200 Series



Features

- High Efficiency
- RoHS Compliance
- Over Voltage Protective Installation
- Over Current Protective Installation
- Short Circuit Protective Installation
- 100% Burn-In
- 100% Hi-Pot Tested
- MTBF > 30,000 hours

EP V WWW XX Y Z

- V:** The number of output group
WWW: Total Power
XX: Main Power voltage
Y: Secondary voltage coding
Z: Serial number

Electrical Specifications

MODEL NO.	OUTPUT POWER (W)	OUTPUT NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT LOAD (A)	LOAD REGULATION	RIPPLE & NOISE
Single output	EP1WWWXYZ	100~200W	Main Power	5,12,19,24,36,48, 56V	2.68~20	± 3% Max. 2% Max.
Dual output	EP2WWWXYZ	100~180W	Main Power	5,12,19,24,36,48V	2.5~18.0A	± 3% Max. 2% Max.
			Stand-by or -12V	5Vsb or -12V	0~2A or 0.1~0.5A	± 3 or 10% Max. 2% Max.
Triple output	EP3WWWXYZ	150~175W	Main Power	5,12,19,24,36,48V	2.39~16.8A	± 3% Max. 2% Max.
			Stand-by Power	5Vsb	0~2A	± 3% Max. 2% Max.
			DC-DC or -12V	5,12V or -12V	0~5A or 0.1~0.5A	± 3 or 10% Max. 2% Max.
Quad output	EP4WWWXYZ	150~175W	Main Power	12,19,24V	3.8~11.7A	± 3% Max. 2% Max.
			DC - DC Power	5,12V	0~5A	± 3% Max. 2% Max.
			-12V Power	-12V	0.1~0.5A	± 10% Max. 2% Max.
			Stand-by Power	5Vsb	0~2A	± 3% 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 Specifications

INPUT

- Input Range 90 -264Vac
- Input Current ≤3.0A
- Inrush Current ≤120A peak @220VAC,cold start@25°C
- Efficiency ≥85% depends on models.
Meet CEC Level V."
- Turn On Time ≤3s

OUTPUT

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

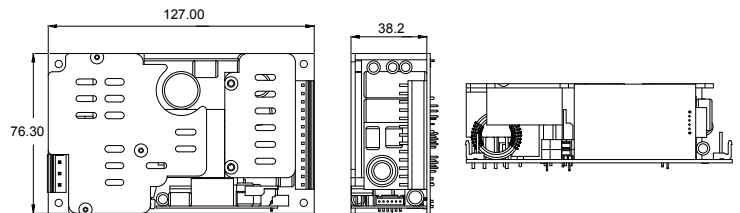
ENVIRONMENTAL

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

SAFETY

- UL/CUL, TUV, CB, CE, FCC

Mechanical Specification



- Mechanical Size: 127.0 X 76.3 X 38.2 (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: Goldenconn/BB2009W4HT Series or equivalent
- Pin Assignment:

CON2:

P1-4	P2-5	P6-9	P10-11	P12-13
Vout3	GND	Vout1	GND	Vout2

CON3 :

P1	P2	P3-4	P5-6
PG	PS/ON	5Vsb	GND

- Weight: 450g

E P V WWW XX Y Z

E	P	V	WWW	XX	Y	Z
BUSINESS	TYPE	NUMBER OF OUTPUT GROUP	TOTAL POWER	MAIN - POWER	0~9~A~Z	0~9~A~Z
EDAC	ITE Open Frame	1~4	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	EP11000500	5	20.00	100									100	
	EP11501200	12	12.50	150									150	
	EP11801200	12	15.00	180									180	
	EP11501900	19	7.89	150									150	
	EP11801900	19	9.47	180									180	
	EP12001900	19	10.53	200									200	
	EP11502400	24	6.25	150									150	
	EP11802400	24	7.50	180									180	
	EP12002400	24	8.33	200									200	
	EP11503600	36	4.17	150									150	
	EP11803600	36	5.00	180									180	
	EP12003600	36	5.56	200									200	
	EP11504800	48	3.13	150									150	
	EP11804800	48	3.75	180									180	
	EP12004800	48	4.17	200									200	
	EP11505600	56	2.68	150									150	
	EP11805600	56	3.21	180									180	
EP12005600	56	3.57	200									200		
Dual output	EP210005A0	5	18.00	90	5	2	10						100	
	EP215012A0	12	11.67	140	5	2	10						150	
	EP218012A0	12	14.17	170	5	2	10						180	
	EP215019A0	19	7.37	140	5	2	10						150	
	EP218019A0	19	8.95	170	5	2	10						180	
	EP215024A0	24	5.83	140	5	2	10						150	
	EP218024A0	24	7.08	170	5	2	10						180	
	EP215036A0	36	3.89	140	5	2	10						150	
	EP218036A0	36	4.72	170	5	2	10						180	
	EP215048A0	48	2.92	140	5	2	10						150	
	EP218048A0	48	3.54	170	5	2	10						180	
	EP215056A0	56	2.50	140	5	2	10						150	
	EP218056A0	56	3.04	170	5	2	10						180	
	EP215012B0	12	12.00	144				-12	0.5	6				150
	EP218012B0	12	14.50	174				-12	0.5	6				180
	EP215019B0	19	7.58	144				-12	0.5	6				150
	EP218019B0	19	9.16	174				-12	0.5	6				180
	EP215024B0	24	6.00	144				-12	0.5	6				150
	EP218024B0	24	7.25	174				-12	0.5	6				180
	EP215036B0	36	4.00	144				-12	0.5	6				150
	EP218036B0	36	4.83	174				-12	0.5	6				180
	EP215048B0	48	3.00	144				-12	0.5	6				150
	EP218048B0	48	3.63	174				-12	0.5	6				180
	EP215056B0	56	2.57	144				-12	0.5	6				150
	EP218056B0	56	3.11	174				-12	0.5	6				180
	EP215012DA	12	10.42	125							5	5	25	150
	EP218012DA	12	12.92	155							5	5	25	180
	EP215019DA	19	6.58	125							5	5	25	150
	EP218019DA	19	8.16	155							5	5	25	180
	EP215019DB	19	4.74	90							12	5	60	150
	EP218019DB	19	6.32	120							12	5	60	180
	EP215024DA	24	5.21	125							5	5	25	150
	EP218024DA	24	6.46	155							5	5	25	180
EP215024DB	24	3.75	90							12	5	60	150	
EP218024DB	24	5.00	120							12	5	60	180	

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	EP315012C0	12	11.17	134	5	2	10	-12	0.5	6			150	
	EP317512C0	12	13.25	159	5	2	10	-12	0.5	6			175	
	EP315019C0	19	7.05	134	5	2	10	-12	0.5	6			150	
	EP317519C0	19	8.37	159	5	2	10	-12	0.5	6			175	
	EP315024C0	24	5.58	134	5	2	10	-12	0.5	6			150	
	EP317524C0	24	6.63	159	5	2	10	-12	0.5	6			175	
	EP315036C0	36	3.72	134	5	2	10	-12	0.5	6			150	
	EP317536C0	36	4.42	159	5	2	10	-12	0.5	6			175	
	EP315048C0	48	2.79	134	5	2	10	-12	0.5	6			150	
	EP317548C0	48	3.31	159	5	2	10	-12	0.5	6			175	
	EP315056C0	56	2.39	134	5	2	10	-12	0.5	6			150	
	EP317556C0	56	2.84	159	5	2	10	-12	0.5	6			175	
	EP315012AA	12	9.58	115	5	2	10				5	5	25	150
	EP317512AA	12	11.67	140	5	2	10				5	5	25	175
	EP315019AA	19	6.05	115	5	2	10				5	5	25	150
	EP317519AA	19	7.37	140	5	2	10				5	5	25	175
	EP315019AB	19	4.21	80	5	2	10				12	5	60	150
	EP317519AB	19	5.53	105	5	2	10				12	5	60	175
	EP315024AA	24	4.79	115	5	2	10				5	5	25	150
	EP317524AA	24	5.83	140	5	2	10				5	5	25	175
EP315024AB	24	3.33	80	5	2	10				12	5	60	150	
EP317524AB	24	4.38	105	5	2	10				12	5	60	175	
Quad output	EP415012CA	12	9.08	109	5	2	10	-12	0.5	6	5	5	25	150
	EP417512CA	12	11.17	134	5	2	10	-12	0.5	6	5	5	25	175
	EP415019CA	19	5.74	109	5	2	10	-12	0.5	6	5	5	25	150
	EP417519CA	19	7.05	134	5	2	10	-12	0.5	6	5	5	25	175
	EP415019CB	19	3.89	74	5	2	10	-12	0.5	6	12	5	60	150
	EP417519CB	19	5.21	99	5	2	10	-12	0.5	6	12	5	60	175
	EP415024CA	24	4.54	109	5	2	10	-12	0.5	6	5	5	25	150
	EP417524CA	24	5.58	134	5	2	10	-12	0.5	6	5	5	25	175
EP415024CB	24	3.08	74	5	2	10	-12	0.5	6	12	5	60	150	
EP417524CB	24	4.13	99	5	2	10	-12	0.5	6	12	5	60	175	