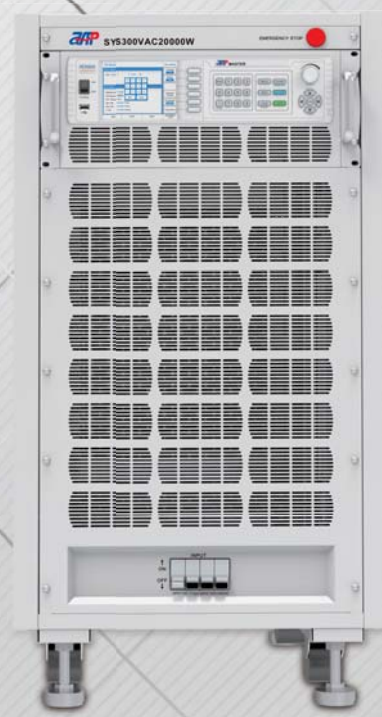
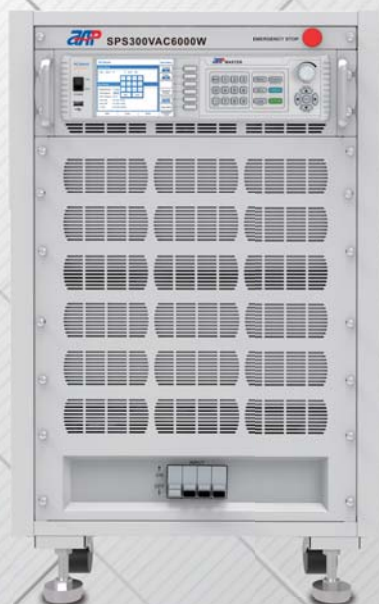


## Single Phase AC System

» Product specification sheet



# Single Phase AC System

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# Single Phase AC System

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## Selection List :

Model	Voltage	Current	Power	Connection type	Size	Corresponding page
SYS300VAC1200W	300V	10.08A/5.04A	1200W	2Parallel	9U	P01
SYS300VAC1800W	300V	15.12A/7.56A	1800W	3Parallel	9U	P01
SYS300VAC2400W	300V	20.16A/10.08A	2400W	4Parallel	17U	P01
SYS300VAC2000W	300V	15.56A/8.28A	2000W	2Parallel	9U	P03
SYS300VAC3000W	300V	24.84A/12.42A	3000W	3Parallel	9U	P03
SYS300VAC4000W	300V	33.12A/15.56A	4000W	4Parallel	17U	P03
SYS300VAC3000W	300V	24.84A/12.42A	3000W	2Parallel	9U	P05
SYS300VAC4500W	300V	37.26A/18.63A	4500W	3Parallel	9U	P05
SYS300VAC6000W	300V	49.68A/24.84A	6000W	4Parallel	17U	P05
SYS300VAC4000W	300V	28.8A/14.4A	4000W	2Parallel	17U	P07
SYS300VAC6000W	300V	43.2A/21.6A	6000W	3Parallel	17U	P07
SYS300VAC8000W	300V	57.6A/28.8A	8000W	4Parallel	17U	P07
SYS300VAC6000W	300V	49.68A/24.84A	6000W	2Parallel	17U	P09
SYS300VAC9000W	300V	74.52A/37.26A	9000W	3Parallel	17U	P09
SYS300VAC12000W	300V	99.36A/49.68A	12000W	4Parallel	21U	P09
SYS300VAC8000W	300V	57.6A/28.8A	8000W	2Parallel	17U	P11
SYS300VAC12000W	300V	86.4A/43.2A	12000W	3Parallel	17U	P11
SYS300VAC16000W	300V	115.2A/57.6A	16000W	4Parallel	21U	P11
SYS300VAC10000W	300V	82.8A/41.4A	10000W	2Parallel	17U	P13
SYS300VAC15000W	300V	124.2A/62.1A	15000W	3Parallel	17U	P13
SYS300VAC20000W	300V	165.6A/82.8A	20000W	4Parallel	21U	P13

# Single Phase AC System

MODEL	SYS300VAC1200W		SYS300VAC1800W	SYS300VAC2400W
<b>Input</b>				
Voltage	90~265VAC			
Frequency	47~63Hz			
Phase	3 Phase, 4Wire+Groud/Y Connect			
Max.Current	20A	30A	40A	
Power Factor at 220VAC Input, Full	≥0.91, Active PFC			
Efficiency	>82% (Peak) >80% at 220VAC, 50Hz input/230VAC, 50Hz output)			
<b>Output</b>				
AC Power(Total) <sup>(1)</sup>	1080VA		1620VA	2160VA
Max.Current (r.m.s) <sup>(1)</sup>	0~150V(L)	10.08A	15.12A	20.16A
	0~300V(H)	5.04A	7.56A	10.08A
Max.Current (Peak) <sup>(1)</sup>	0~150V(L)	58.32A	87.48A	116.64A
	0~300V(H)	29.16A	43.74A	58.32A
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto		
	Resolution	0.1V		
	Accuracy	0.2% of setting + 0.8%F.S, at Voltage >3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65HZ		
Current OC Fold Mode	Range	0.1A		
	Resolution	2.0% of setting + 2.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000HZ Full Range Adjust		
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz		
	Accuracy	0.03% of setting		
Voltage(DC)	Range	0~424Vdc, 212V/424V/Auto		
	Resolution	0.1V		
	Accuracy	0.3% of setting + 0.8%F.S, at Voltage >3V		
Max.Current(L/H Range)(Total)	0~150V(L)	L 7.128A	L 10.692A	L 14.256A
	0~300V(H)	H 3.402A	H 5.103A	H 6.804A
Ripple & Noise(r.m.s)	L <1000mVrms @ Bandwidth 20HZ to 1MHZ H <1500mVrms @ Bandwidth 20HZ to 1MHZ			
Ripple & Noise(Peak)	<4000mVp-p @ Bandwidth 20HZ to 1MHZ			
<b>Other Parameters</b>				
Total Harmonic Distortion(THD)	<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Crest Factor(CF)	≤6			
Load Regulation	± 0.5%F.S. @ 15~100HZ (Resistive Load) ± 0.8%F.S. @ Others Freq (Resistive Load)			
Line Regulation	± 0.1V			
Programmable Output Impedance	Not Support			
Harmonic & Interharmonics Simulation	Not Support			
<b>Measurent(Master)</b>				
Voltage	Range	AC 0~300VAC DC 0~424VDC		
	Resolution	0.1V		
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notes: Vpeak: 0.6% of setting+1%F.S.) DC 0.3% of setting + 0.4%F.S.		
Frequency	Range	15~1000HZ		
	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current(r.m.s)	Range	H 0.15A~5.6A		
		M -		
		L 0.1A~3A		
	mA -			
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S			

MODEL		SYS300VAC1200W	SYS300VAC1800W	SYS300VAC2400W	
Current(Peak)	Range	0A~32.4A			
	Resolution	0.01A			
	Accuracy	0.4%+1.5%F.S.			
Power	Range	0~600W			
	Resolution	0.1W			
	Accuracy	0.4% of setting + 1%F.S. at PF > 0.2, Voltage > 5V			
Power Apparent (VA)	Range	0~612VA			
	Resolution	0.1VA			
	Accuracy	Voltage * I <sub>rms</sub> , Calculated value			
Power Resistive (VAR)	Range	0~612VAR			
	Resolution	0.1VAR			
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value			
Power Factor (PF)	Range	0.00~1.00			
	Resolution	0.01			
	Accuracy	W/VA, Calculated value			
Harmonic		Not Support			
Σ Current	Range <sup>[1]</sup>	H	0.15A~10.08A	H 0.15A~15.12A	H 0.15A~20.16A
		M	-		
		L	0.1A~5.4A	L 0.1A~8.1A	L 0.1A~10.8A
		mA	-		
	Resolution	0.01A			
Accuracy	0.4%+1.0%F.S.				
Σ Current	Range <sup>[1]</sup>	0~1080W	0~1620W	0~2160W	
	Resolution	0.1W			
	Accuracy	0.4% of setting + 0.3%F.S at PF > 0.2, Voltage > 5V			
<b>Extra Function</b>					
Remote Sense	Range	5V(rms), Max. Total power less than rated power			
Slew Rate	Range	AC Voltage	0.001~1200.000V/ms and Disable		
		DC Voltage	0.001~1000.000V/ms and Disable		
		Frequency	0.001~1600.000HZ/ms and Disable		
Transient Generator(only for 15-70HZ)	Range	Trans-Start : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Volt : -212V~+212V(L), -424V~+424V(H),Resolution : 0.1V			
		Trans-Time : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Cycle : 0~9999, Constant			
Calibration <sup>[2]</sup>		Firmware-based calibration through the digital interface or front panel			
Graphic Display		4.3" Color touch LCD			
Operation Key Feature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware			
Rack mount Handles		Yes			
FAN		Temperature Control			
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP			
Interface		Standard USB, RS-485, RS-232, GPIB & LAN is Optional			
<b>Environment</b>					
Operating Temperature		0°C~40°C			
Storage Temperature		-40°C~85°C			
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.	
Altitude		2000m			
Relative Humidity		5%~95%, non-condensing			
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency			
<b>Mechanical</b>					
Dimensions(WxHxD)		540.0x400.0x640.0 mm	540.0x400.0x640.0 mm	560.0x754.0x700.0 mm	
Package Dimensions(W x H x D)		660.0x710.0x760.0 mm	660.0x710.0x760.0 mm	680.0x1120.0x860.0 mm	
Unit Weight		72.8kg	88.7kg	133.6kg	
Shipping Weight		89.7kg	108.7kg	172.0kg	
<b>Regulatory Compliance</b>					
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.			

[1] In parallel mode, the amount needed to be reduced to 90 %

[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

# Single Phase AC System

MODEL	SYS300VAC2000W		SYS300VAC3000W	SYS300VAC4000W
<b>Input</b>				
Voltage	90~265VAC			
Frequency	47~63Hz			
Phase	3 Phase, 4Wire+Groud/Y Connect			
Max.Current	30A	45A	60A	
Power Factor at 220VAC Input, Full	≥0.95, Active PFC			
Efficiency	>86% (Peak)			
	>84% at 220VAC, 50Hz input/230VAC, 50Hz output)			
<b>Output</b>				
AC Power(Total) <sup>(1)</sup>	1800VA		2700VA	3600VA
Max.Current (r.m.s) <sup>(1)</sup>	0~150V(L)	16.56A	24.84A	33.12A
	0~300V(H)	8.28A	12.42A	16.56A
Max.Current (Peak) <sup>(1)</sup>	0~150V(L)	99.36A	149.04A	198.72A
	0~300V(H)	49.68A	74.52A	99.36A
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto		
	Resolution	0.1V		
	Accuracy	0.2% of setting + 0.8%F.S., at Voltage >3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65HZ		
Current OC Fold Mode	Range	0.1A		
	Resolution	2.0% of setting + 2.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000HZ Full Range Adjust		
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz		
	Accuracy	0.03% of setting		
Voltage(DC)	Range	0~424Vdc, 212V/424V/Auto		
	Resolution	0.1V		
	Accuracy	0.3% of setting + 0.8%F.S., at Voltage >3V		
Max.Current(L/H Range)(Total)	0~150V(L)	L 11.7A	L 17.55A	L 23.4A
	0~300V(H)	H 5.94A	H 8.91A	H 11.88A
Ripple & Noise(r.m.s)	L <1000mVrms @ Bandwidth 20HZ to 1MHZ			
	H <1500mVrms @ Bandwidth 20HZ to 1MHZ			
Ripple & Noise(Peak)	<4000mVp-p @ Bandwidth 20HZ to 1MHZ			
<b>Other Parameters</b>				
Total Harmonic Distortion(THD)	<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
	<1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
	<1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Crest Factor(CF)	≤6			
Load Regulation	± 0.5%F.S. @ 15~100HZ (Resistive Load)			
	± 0.8%F.S. @ Others Freq (Resistive Load)			
Line Regulation	± 0.1V			
Programmable Output Impedance	Not Support			
Harmonic & Interharmonics Simulation	Not Support			
<b>Measurent(Master)</b>				
Voltage	Range	AC 0~300VAC DC 0~424VDC		
	Resolution	0.1V		
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notes: Vpeak: 0.6% of setting+1%F.S.) DC 0.3% of setting + 0.4%F.S.		
Frequency	Range	15~1000HZ		
	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current(r.m.s)	Range	H 0.15A~9.2A		
		M -		
		L 0.1A~3A		
		mA -		
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S			

MODEL		SYS300VAC2000W	SYS300VAC3000W	SYS300VAC4000W	
Current(Peak)	Range	0A~55.2A			
	Resolution	0.01A			
	Accuracy	0.4%+1.5%F.S.			
Power	Range	0~1000W			
	Resolution	0.1W			
	Accuracy	0.4% of setting + 1%F.S. at PF > 0.2, Voltage > 5V			
Power Apparent (VA)	Range	0~1020VA			
	Resolution	0.1VA			
	Accuracy	Voltage * Irms, Calculated value			
Power Resistive (VAR)	Range	0~1020VAR			
	Resolution	0.1VAR			
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value			
Power Factor (PF)	Range	0.00~1.00			
	Resolution	0.01			
	Accuracy	W/VA, Calculated value			
Harmonic		Not Support			
Σ Current	Range <sup>[1]</sup>	H	0.15A~16.56A	H 0.15A~24.84A	H 0.15A~33.12A
		M	-		
		L	0.1A~5.4A	L 0.1A~8.1A	L 0.1A~10.8A
		mA	-		
	Resolution	0.01A			
Accuracy	0.4%+1.0%F.S.				
Σ Current	Range <sup>[1]</sup>	0~1800W	0~2700W	0~3600W	
	Resolution	0.1W			
	Accuracy	0.4% of setting + 0.3%F.S at PF > 0.2, Voltage > 5V			
<b>Extra Function</b>					
Remote Sense	Range	5V(rms), Max. Total power less than rated power			
Slew Rate	Range	AC Voltage 0.001~1200.000V/ms and Disable			
		DC Voltage 0.001~1000.000V/ms and Disable			
		Frequency 0.001~1600.000HZ/ms and Disable			
Transient Generator(only for 15-70HZ)	Range	Trans-Start : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Volt : -212V~+212V(L), -424V~+424V(H),Resolution : 0.1V			
		Trans-Time : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Cycle : 0~9999, Constant			
Calibration <sup>[2]</sup>		Firmware-based calibration through the digital interface or front panel			
Graphic Display		4.3" Color touch LCD			
Operation Key Feature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware			
Rack mount Handles		Yes			
FAN		Temperature Control			
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP			
Interface		Standard USB, RS-485, RS-232, GPIB & LAN is Optional			
<b>Environment</b>					
Operating Temperature		0°C~40°C			
Storage Temperature		-40°C~85°C			
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.	
Altitude		2000m			
Relative Humidity		5%~95%, non-condensing			
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency			
<b>Mechanical</b>					
Dimensions(WxHxD)		540.0x400.0x640.0 mm	540.0x400.0x640.0 mm	560.0x754.0x700.0 mm	
Package Dimensions(W x H x D)		660.0x710.0x760.0 mm	680.0x710.0x760.0 mm	680.0x1120.0x860.0 mm	
Unit Weight		72.8kg	88.7kg	133.6kg	
Shipping Weight		89.7kg	108.7kg	172.0kg	
<b>Regulatory Compliance</b>					
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.			

[1] In parallel mode, the amount needed to be reduced to 90 %

[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

# Single Phase AC System

MODEL	SYS300VAC3000W		SYS300VAC4500W	SYS300VAC6000W
<b>Input</b>				
Voltage	100~265VAC			
Frequency	47~63Hz			
Phase	3 Phase, 4Wire+Groud/Y Connect			
Max.Current	38A	57A	76A	
Power Factor at 220VAC Input, Full	≥0.97, Active PFC			
Efficiency	>87% (Peak) >86% at 220VAC, 50Hz input/230VAC, 50Hz output)			
<b>Output</b>				
AC Power(Total) <sup>(1)</sup>	2700VA		4050VA	5400VA
Max.Current (r.m.s) <sup>(1)</sup>	0~150V(L)	24.84A	37.26A	49.68A
	0~300V(H)	12.42A	18.63A	24.84A
Max.Current (Peak) <sup>(1)</sup>	0~150V(L)	149.04A	223.56A	298.08A
	0~300V(H)	74.52A	111.78A	149.04A
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto		
	Resolution	0.1V		
	Accuracy	0.2% of setting + 0.8%F.S., at Voltage >3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65HZ		
Current OC Fold Mode	Range	0.1A		
	Resolution	2.0% of setting + 2.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000HZ Full Range Adjust		
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz		
	Accuracy	0.03% of setting		
Voltage(DC)	Range	0~424Vdc, 212V/424V/Auto		
	Resolution	0.1V		
	Accuracy	0.3% of setting + 0.8%F.S., at Voltage >3V		
Max.Current(L/H Range)(Total)	0~150V(L)	L 17.568A	L 26.352A	L 35.136A
	0~300V(H)	H 8.784A	H 13.176A	H 17.568A
Ripple & Noise(r.m.s)	L <1000mVrms @ Bandwidth 20HZ to 1MHZ H <1500mVrms @ Bandwidth 20HZ to 1MHZ			
Ripple & Noise(Peak)	<4000mVp-p @ Bandwidth 20HZ to 1MHZ			
<b>Other Parameters</b>				
Total Harmonic Distortion(THD)	<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Crest Factor(CF)	≤6			
Load Regulation	± 0.5%F.S. @ 15~100HZ (Resistive Load) ± 0.8%F.S. @ Others Freq (Resistive Load)			
Line Regulation	± 0.1V			
Programmable Output Impedance	Not Support			
Harmonic & Interharmonics Simulation	Not Support			
<b>Measurement(Master)</b>				
Voltage	Range	AC 0~300VAC DC 0~424VDC		
	Resolution	0.1V		
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notes: Vpeak: 0.6% of setting+1%F.S.) DC 0.3% of setting + 0.4%F.S.		
Frequency	Range	15~1000HZ		
	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current(r.m.s)	Range	H 0.15A~13.8A		
		M -		
		L 0.1A~3A		
		mA -		
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S			



MODEL		SYS300VAC3000W	SYS300VAC4500W	SYS300VAC6000W	
Current(Peak)	Range	0A~82.8A			
	Resolution	0.01A			
	Accuracy	0.4%+1.5%F.S.			
Power	Range	0~1500W			
	Resolution	0.1W			
	Accuracy	0.4% of setting + 1%F.S. at PF > 0.2, Voltage > 5V			
Power Apparent (VA)	Range	0~1530VA			
	Resolution	0.1VA			
	Accuracy	Voltage * Irms, Calculated value			
Power Resistive (VAR)	Range	0~1530VAR			
	Resolution	0.1VAR			
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value			
Power Factor (PF)	Range	0.00~1.00			
	Resolution	0.01			
	Accuracy	W/VA, Calculated value			
Harmonic		Not Support			
Σ Current	Range <sup>[1]</sup>	H	0.15A~24.84A	H 0.15A~37.26A	H 0.15A~49.68A
		M	-		
		L	0.1A~5.4A	L 0.1A~8.1A	L 0.1A~10.8A
		mA	-		
	Resolution	0.01A			
Accuracy	0.4%+1.0%F.S.				
Σ Current	Range <sup>[1]</sup>	0~2700W	0~4050W	0~5400W	
	Resolution	0.1W			
	Accuracy	0.4% of setting + 0.3%F.S at PF > 0.2, Voltage > 5V			
<b>Extra Function</b>					
Remote Sense	Range	5V(rms), Max. Total power less than rated power			
Slew Rate	Range	AC Voltage 0.001~1200.000V/ms and Disable			
		DC Voltage 0.001~1000.000V/ms and Disable			
		Frequency 0.001~1600.000HZ/ms and Disable			
Transient Generator(only for 15-70HZ)	Range	Trans-Start : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Volt : -212V~+212V(L), -424V~+424V(H),Resolution : 0.1V			
		Trans-Time : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Cycle : 0~9999, Constant			
Calibration <sup>[2]</sup>		Firmware-based calibration through the digital interface or front panel			
Graphic Display		4.3" Color touch LCD			
Operation Key Feature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware			
Rack mount Handles		Yes			
FAN		Temperature Control			
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP			
Interface		Standard USB, RS-485, RS-232, GPIB & LAN is Optional			
<b>Environment</b>					
Operating Temperature		0°C~40°C			
Storage Temperature		-40°C~85°C			
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.	
Altitude		2000m			
Relative Humidity		5%~95%, non-condensing			
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency			
<b>Mechanical</b>					
Dimensions(WxHxD)		540.0x400.0x640.0 mm	540.0x400.0x640.0 mm	560.0x754.0x700.0 mm	
Package Dimensions(W x H x D)		660.0x710.0x760.0 mm	660.0x710.0x760.0 mm	680.0x1120.0x860.0 mm	
Unit Weight		72.8kg	88.7kg	133.6kg	
Shipping Weight		89.7kg	108.7kg	172.0kg	
<b>Regulatory Compliance</b>					
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.			

[1] In parallel mode, the amount needed to be reduced to 90 %

[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

# Single Phase AC System

MODEL	SYS300VAC4000W		SYS300VAC6000W	SYS300VAC8000W
<b>Input</b>				
Voltage	190~265VAC			
Frequency	47~63Hz			
Phase	3 Phase, 4Wire+Groud/Y Connect			
Max.Current	28A	42A	56A	
Power Factor at 220VAC Input, Full	≥0.99, Active PFC			
Efficiency	>87% (Peak) >86% at 220VAC, 50Hz input/230VAC, 50Hz output)			
<b>Output</b>				
AC Power(Total) <sup>(1)</sup>	3600VA		5400VA	7200VA
Max.Current (r.m.s) <sup>(1)</sup>	0~150V(L)	28.8A	43.2A	57.6A
	0~300V(H)	14.4A	21.6A	28.8A
Max.Current (Peak) <sup>(1)</sup>	0~150V(L)	144A	216A	288A
	0~300V(H)	72A	108A	144A
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto		
	Resolution	0.1V		
	Accuracy	0.2% of setting + 0.8%F.S, at Voltage >3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65HZ		
Current OC Fold Mode	Range	0.1A		
	Resolution	2.0% of setting + 2.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000HZ Full Range Adjust		
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz		
	Accuracy	0.03% of setting		
Voltage(DC)	Range	0~424Vdc, 212V/424V/Auto		
	Resolution	0.1V		
	Accuracy	0.3% of setting + 0.8%F.S, at Voltage >3V		
Max.Current(L/H Range)(Total)	0~150V(L)	L 20.34A	L 30.51A	L 40.68A
	0~300V(H)	H 10.17A	H 15.255A	H 20.34A
Ripple & Noise(r.m.s)	L <1000mVrms @ Bandwidth 20HZ to 1MHZ H <1500mVrms @ Bandwidth 20HZ to 1MHZ			
Ripple & Noise(Peak)	<4000mVp-p @ Bandwidth 20HZ to 1MHZ			
<b>Other Parameters</b>				
Total Harmonic Distortion(THD)	<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Crest Factor(CF)	≤5			
Load Regulation	± 0.5%F.S. @ 15~100HZ (Resistive Load) ± 0.8%F.S. @ Others Freq (Resistive Load)			
Line Regulation	± 0.1V			
Programmable Output Impedance	Not Support			
Harmonic & Interharmonics Simulation	Not Support			
<b>Measurent(Master)</b>				
Voltage	Range	AC 0~300VAC DC 0~424VDC		
	Resolution	0.1V		
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notees: Vpeak: 0.6% of setting+1%F.S.) DC 0.3% of setting + 0.4%F.S.		
Frequency	Range	15~1000HZ		
	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current(r.m.s)	Range	H 0.15A~20A		
		M -		
		L 0.1A~5A		
	mA 0.02~1.5A			
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S			

MODEL		SYS300VAC4000W	SYS300VAC6000W	SYS300VAC8000W	
Current(Peak)	Range	0A~81.5A			
	Resolution	0.01A			
	Accuracy	0.4%+1.5%F.S.			
Power	Range	0~2040W			
	Resolution	0.1W			
	Accuracy	0.4% of setting + 1%F.S. at PF > 0.2, Voltage > 5V			
Power Apparent (VA)	Range	0~2040VA			
	Resolution	0.1VA			
	Accuracy	Voltage * I <sub>rms</sub> , Calculated value			
Power Resistive (VAR)	Range	0~2040VAR			
	Resolution	0.1VAR			
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value			
Power Factor (PF)	Range	0.00~1.00			
	Resolution	0.01			
	Accuracy	W/VA, Calculated value			
Harmonic		Not Support			
Σ Current	Range <sup>[1]</sup>	H	0.15A~28.8A	H 0.15A~43.2A	H 0.15A~57.6A
		M	-		
		L	0.1A~9A	L 0.1A~13.5A	L 0.1A~18A
		mA	0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A
	Resolution	0.01A			
Accuracy	0.4%+1.0%F.S.				
Σ Current	Range <sup>[1]</sup>	0~3762W	0~5508W	0~7344W	
	Resolution	0.1W			
	Accuracy	0.4% of setting + 0.3%F.S at PF > 0.2, Voltage > 5V			
<b>Extra Function</b>					
Remote Sense	Range	5V(rms), Max. Total power less than rated power			
Slew Rate	Range	AC Voltage 0.001~1200.000V/ms and Disable			
		DC Voltage 0.001~1000.000V/ms and Disable			
		Frequency 0.001~1600.000HZ/ms and Disable			
Transient Generator(only for 15-70HZ)	Range	Trans-Start : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Volt : -212V~+212V(L), -424V~+424V(H),Resolution : 0.1V			
		Trans-Time : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Cycle : 0~9999, Constant			
Calibration <sup>[2]</sup>		Firmware-based calibration through the digital interface or front panel			
Graphic Display		4.3" Color touch LCD			
Operation Key Feature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware			
Rack mount Handles		Yes			
FAN		Temperature Control			
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP			
Interface		Standard USB, RS-485, RS-232, LAN, GPIB is Optional			
<b>Environment</b>					
Operating Temperature		0°C~40°C			
Storage Temperature		-40°C~85°C			
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.	
Altitude		2000m			
Relative Humidity		5%~95%, non-condensing			
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency			
<b>Mechanical</b>					
Dimensions(WxHxD)		560.0x754.0x700.0 mm	560.0x754.0x700.0 mm	560.0x754.0x700.0 mm	
Package Dimensions(W x H x D)		680.0x1146.0x820.0 mm	680.0x1146.0x820.0 mm	680.0x1120.0x860.0 mm	
Unit Weight		112.6kg	134.0kg	155.6kg	
Shipping Weight		148.6kg	173.0kg	194.0kg	
<b>Regulatory Compliance</b>					
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.			

[1] In parallel mode, the amount needed to be reduced to 90 %

[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

# Single Phase AC System

MODEL	SYS300VAC6000W		SYS300VAC9000W	SYS300VAC12000W
<b>Input</b>				
Voltage	190~265VAC			
Frequency	47~63Hz			
Phase	3 Phase, 4Wire+Groud/Y Connect			
Max.Current	40A	60A	80A	
Power Factor at 220VAC Input, Full	≥0.98, Active PFC			
Efficiency	>86% (Peak)			
	>85% at 220VAC, 50Hz input/230VAC, 50Hz output)			
<b>Output</b>				
AC Power(Total) <sup>(1)</sup>	5400VA		8100VA	10800VA
Max.Current (r.m.s) <sup>(1)</sup>	0~150V(L)	49.68A	74.52A	99.36A
	0~300V(H)	24.84A	37.26A	49.68A
Max.Current (Peak) <sup>(1)</sup>	0~150V(L)	298.08A	447.12A	596.16A
	0~300V(H)	149.04A	223.56A	298.08A
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto		
	Resolution	0.1V		
	Accuracy	0.2% of setting + 0.8%F.S., at Voltage >3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65HZ		
Current OC Fold Mode	Range	0.1A		
	Resolution	2.0% of setting + 2.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000HZ Full Range Adjust		
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz		
	Accuracy	0.03% of setting		
Voltage(DC)	Range	0~424Vdc, 212V/424V/Auto		
	Resolution	0.1V		
	Accuracy	0.3% of setting + 0.8%F.S., at Voltage >3V		
Max.Current(L/H Range)(Total)	0~150V(L)	L 35.28A	L 52.92A	L 70.56A
	0~300V(H)	H 17.64A	H 26.46A	H 35.28A
Ripple & Noise(r.m.s)	L <1000mVrms @ Bandwidth 20HZ to 1MHZ			
	H <1500mVrms @ Bandwidth 20HZ to 1MHZ			
Ripple & Noise(Peak)	<4000mVp-p @ Bandwidth 20HZ to 1MHZ			
<b>Other Parameters</b>				
Total Harmonic Distortion(THD)	<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
	<1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
	<1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Crest Factor(CF)	≤6			
Load Regulation	± 0.5%F.S. @ 15~100HZ (Resistive Load)			
	± 0.8%F.S. @ Others Freq (Resistive Load)			
Line Regulation	±0.1V			
Programmable Output Impedance	Not Support			
Harmonic & Interharmonics Simulation	Not Support			
<b>Measurent(Master)</b>				
Voltage	Range	AC 0~300VAC		
		DC 0~424VDC		
	Resolution	0.1V		
Accuracy	AC 0.2% of setting + 0.4%F.S. (Notes: Vpeak: 0.6% of setting+1%F.S.)			
	DC 0.3% of setting + 0.4%F.S.			
Frequency	Range	15~1000HZ		
	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current(r.m.s)	Range	H 0.3A~27.6A		
		M 0.2A~20A		
		L 0.1A~5A		
		mA 0.02~1.5A		
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S			

MODEL		SYS300VAC6000W	SYS300VAC9000W	SYS300VAC12000W
Current(Peak)	Range	0A~168.6A		
	Resolution	0.01A		
	Accuracy	0.4%+1.5%F.S.		
Power	Range	0~3060W		
	Resolution	0.1W		
	Accuracy	0.4% of setting + 1%F.S. at PF>0.2, Voltage >5V		
Power Apparent (VA)	Range	0~3060VA		
	Resolution	0.1VA		
	Accuracy	Voltage * I <sub>rms</sub> , Calculated value		
Power Resistive (VAR)	Range	0~3060VAR		
	Resolution	0.1VAR		
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value		
Power Factor (PF)	Range	0.00~1.00		
	Resolution	0.01		
	Accuracy	W/VA, Calculated value		
Harmonic		Not Support		
Σ Current	Range <sup>[1]</sup>	H 0.3A~49.68A	H 0.3A~74.52A	H 0.3A~99.36A
		M 0.2A~36A	M 0.2A~54A	M 0.2A~72A
		L 0.1A~9A	L 0.1A~13.5A	L 0.1A~18A
		mA 0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S.			
Σ Current	Range <sup>[1]</sup>	0~5508W	0~8262W	0~11016W
	Resolution	0.1W		
	Accuracy	0.4% of setting + 0.3%F.S at PF >0.2, Voltage > 5V		
<b>Extra Function</b>				
Remote Sense	Range	5V(rms), Max. Total power less than rated power		
Slew Rate	Range	AC Voltage 0.001~1200.000V/ms and Disable		
		DC Voltage 0.001~1000.000V/ms and Disable		
		Frequency 0.001~1600.000HZ/ms and Disable		
Transient Generator(only for 15-70HZ)	Range	Trans-Start : 0.0~66.5ms@15Hz ,Resolution : 0.1ms		
		Trans-Volt : -212V~+212V(L), -424V~+424V(H),Resolution : 0.1V		
		Trans-Time : 0.0~66.5ms@15Hz ,Resolution : 0.1ms		
		Trans-Cycle : 0~9999, Constant		
Calibration <sup>[2]</sup>		Firmware-based calibration through the digital interface or front panel		
Graphic Display		4.3" Color touch LCD		
Operation Key Feature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware		
Rack mount Handles		Yes		
FAN		Temperature Control		
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP		
Interface		Standard USB, RS-485, RS-232, LAN, GPIB is Optional		
<b>Environment</b>				
Operating Temperature		0°C~40°C		
Storage Temperature		-40°C~85°C		
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.
Altitude		2000m		
Relative Humidity		5%~95%, non-condensing		
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency		
<b>Mechanical</b>				
Dimensions(WxHxD)		560.0x754.0x700.0 mm	560.0x754.0x700.0 mm	560.0x932.0x700.0 mm
Package Dimensions(W x H x D)		680.0x1146.0x820.0 mm	680.0x1146.0x820.0 mm	680.0x1297.0x820.0 mm
Unit Weight		128.0kg	157.0kg	224kg
Shipping Weight		163.0kg	195.0kg	265kg
<b>Regulatory Compliance</b>				
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.		

[1] In parallel mode, the amount needed to be reduced to 90 %

[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

# Single Phase AC System

MODEL	SYS300VAC8000W		SYS300VAC12000W	SYS300VAC16000W
<b>Input</b>				
Voltage	190~265VAC			
Frequency	47~63Hz			
Phase	3 Phase, 4Wire+Groud/Y Connect			
Max.Current	50A	70A	100A	
Power Factor at 220VAC Input, Full	≥0.99, Active PFC			
Efficiency	>87% (Peak) >86% at 220VAC, 50Hz input/230VAC, 50Hz output)			
<b>Output</b>				
AC Power(Total) <sup>(1)</sup>	7200VA		10800VA	14400VA
Max.Current (r.m.s) <sup>(1)</sup>	0~150V(L)	57.6A	86.4A	115.2A
	0~300V(H)	28.8A	43.2A	57.6A
Max.Current (Peak) <sup>(1)</sup>	0~150V(L)	288A	432A	576A
	0~300V(H)	144A	216A	288A
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto		
	Resolution	0.1V		
	Accuracy	0.2% of setting + 0.8%F.S, at Voltage >3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65HZ		
Current OC Fold Mode	Range	0.1A		
	Resolution	2.0% of setting + 2.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000HZ Full Range Adjust		
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz		
	Accuracy	0.03% of setting		
Voltage(DC)	Range	0~424Vdc, 212V/424V/Auto		
	Resolution	0.1V		
	Accuracy	0.3% of setting + 0.8%F.S, at Voltage >3V		
Max.Current(L/H Range)(Total)	0~150V(L)	L 40.68A	L 61.02A	L 81.36A
	0~300V(H)	H 20.34A	H 30.51A	H 40.68A
Ripple & Noise(r.m.s)	L <1000mVrms @ Bandwidth 20HZ to 1MHZ H <1500mVrms @ Bandwidth 20HZ to 1MHZ			
Ripple & Noise(Peak)	<4000mVp-p @ Bandwidth 20HZ to 1MHZ			
<b>Other Parameters</b>				
Total Harmonic Distortion(THD)	<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Crest Factor(CF)	≤5			
Load Regulation	± 0.5%F.S. @ 15~100HZ (Resistive Load) ± 0.8%F.S. @ Others Freq (Resistive Load)			
Line Regulation	± 0.1V			
Programmable Output Impedance	Not Support			
Harmonic & Interharmonics Simulation	Not Support			
<b>Measurent(Master)</b>				
Voltage	Range	AC 0~300VAC DC 0~424VDC		
	Resolution	0.1V		
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notes: Vpeak: 0.6% of setting+1%F.S.) DC 0.3% of setting + 0.4%F.S.		
Frequency	Range	15~1000HZ		
	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current(r.m.s)	Range	H 0.3A~32A		
		M 0.2A~20A		
		L 0.1A~5A		
		mA 0.02~1.5A		
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S			

MODEL		SYS300VAC8000W	SYS300VAC12000W	SYS300VAC16000W
Current(Peak)	Range	0.05A~163A		
	Resolution	0.01A		
	Accuracy	0.4%+1.5%F.S.		
Power	Range	0~4080W		
	Resolution	0.1W		
	Accuracy	0.4% of setting + 1%F.S. at PF>0.2, Voltage >5V		
Power Apparent (VA)	Range	0~4080VA		
	Resolution	0.1VA		
	Accuracy	Voltage * Irms, Calculated value		
Power Resistive (VAR)	Range	0~4080VAR		
	Resolution	0.1VAR		
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value		
Power Factor (PF)	Range	0.00~1.00		
	Resolution	0.01		
	Accuracy	W/VA, Calculated value		
Harmonic		Not Support		
Σ Current	Range <sup>[1]</sup>	H 0.3A~57.6A	H 0.3A~86.4A	H 0.3A~115.2A
		M 0.2A~36A	M 0.2A~54A	M 0.2A~72A
		L 0.1A~9A	L 0.1A~13.5A	L 0.1A~18A
		mA 0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S.			
Σ Current	Range <sup>[1]</sup>	0~7344W	0~11016W	0~14688W
	Resolution	0.1W		
	Accuracy	0.4% of setting + 0.3%F.S at PF > 0.2, Voltage > 5V		
<b>Extra Function</b>				
Remote Sense	Range	5V(rms), Max. Total power less than rated power		
Slew Rate	Range	AC Voltage 0.001~1200.000V/ms and Disable		
		DC Voltage 0.001~1000.000V/ms and Disable		
		Frequency 0.001~1600.000HZ/ms and Disable		
Transient Generator(only for 15-70HZ)	Range	Trans-Start : 0.0~66.5ms@15Hz ,Resolution : 0.1ms		
		Trans-Volt : -212V~+212V(L), -424V~+424V(H),Resolution : 0.1V		
		Trans-Time : 0.0~66.5ms@15Hz ,Resolution : 0.1ms		
		Trans-Cycle : 0~9999, Constant		
Calibration <sup>[2]</sup>		Firmware-based calibration through the digital interface or front panel		
Graphic Display		4.3" Color touch LCD		
Operation Key Feature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware		
Rack mount Handles		Yes		
FAN		Temperature Control		
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP		
Interface		Standard USB, RS-485, RS-232, LAN, GPIB is Optional		
<b>Environment</b>				
Operating Temperature		0°C~40°C		
Storage Temperature		-40°C~85°C		
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.
Altitude		2000m		
Relative Humidity		5%~95%, non-condensing		
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency		
<b>Mechanical</b>				
Dimensions(WxHxD)		560.0x754.0x700.0 mm	560.0x754.0x700.0 mm	560.0x932.0x700.0 mm
Package Dimensions(W x H x D)		680.0x1146.0x820.0 mm	680.0x1146.0x820.0 mm	680.0x1297.0x820.0 mm
Unit Weight		128.0kg	157.0kg	224kg
Shipping Weight		163.0kg	195.0kg	265.0kg
<b>Regulatory Compliance</b>				
CE Mark		Installation Overvoltage Category II; Class II equipment; indoor use only.		

[1] In parallel mode, the amount needed to be reduced to 90 %

[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

# Single Phase AC System

MODEL	SYS300VAC10000W		SYS300VAC15000W	SYS300VAC20000W
<b>Input</b>				
Voltage	190~265VAC			
Frequency	47~63Hz			
Phase	3 Phase, 4Wire+Groud/Y Connect			
Max.Current	60A	90A	120A	
Power Factor at 220VAC Input, Full	≥0.99, Active PFC			
Efficiency	>87% (Peak) >86% at 220VAC, 50Hz input/230VAC, 50Hz output)			
<b>Output</b>				
AC Power(Total) <sup>(1)</sup>	9000VA		13500VA	18000VA
Max.Current (r.m.s) <sup>(1)</sup>	0~150V(L)	82.8A	124.2A	165.6A
	0~300V(H)	41.4A	62.1A	82.8A
Max.Current (Peak) <sup>(1)</sup>	0~150V(L)	331.2A	496.8A	662.4A
	0~300V(H)	165.6A	248.4A	331.2A
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto		
	Resolution	0.1V		
	Accuracy	0.2% of setting + 0.8%F.S., at Voltage >3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65HZ		
Current OC Fold Mode	Range	0.1A		
	Resolution	2.0% of setting + 2.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000HZ Full Range Adjust		
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz		
	Accuracy	0.03% of setting		
Voltage(DC)	Range	0~424Vdc, 212V/424V/Auto		
	Resolution	0.1V		
	Accuracy	0.3% of setting + 0.8%F.S., at Voltage >3V		
Max.Current(L/H Range)(Total)	0~150V(L)	L 58.68A	L 88.02A	L 117.36A
	0~300V(H)	H 29.34A	H 44.01A	H 58.68A
Ripple & Noise(r.m.s)	L <1000mVrms @ Bandwidth 20HZ to 1MHZ H <1500mVrms @ Bandwidth 20HZ to 1MHZ			
Ripple & Noise(Peak)	<4000mVp-p @ Bandwidth 20HZ to 1MHZ			
<b>Other Parameters</b>				
Total Harmonic Distortion(THD)	<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Crest Factor(CF)	≤4			
Load Regulation	± 0.5%F.S. @ 15~100HZ (Resistive Load) ± 0.8%F.S. @ Others Freq (Resistive Load)			
Line Regulation	± 0.1V			
Programmable Output Impedance	Not Support			
Harmonic & Interharmonics Simulation	Not Support			
<b>Measurent(Master)</b>				
Voltage	Range	AC 0~300VAC DC 0~424VDC		
	Resolution	0.1V		
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notes: Vpeak: 0.6% of setting+1%F.S.) DC 0.3% of setting + 0.4%F.S.		
Frequency	Range	15~1000HZ		
	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current(r.m.s)	Range	H 0.3A~46A		
		M 0.2A~20A		
		L 0.1A~5A		
		mA 0.02~1.5A		
	Resolution	0.01A		
Accuracy	0.4%+1.0%F.S			



MODEL		SYS300VAC10000W	SYS300VAC15000W	SYS300VAC20000W	
Current(Peak)	Range	0.05A~188A			
	Resolution	0.01A			
	Accuracy	0.4%+1.5%F.S.			
Power	Range	0~5100W			
	Resolution	0.1W			
	Accuracy	0.4% of setting + 1%F.S. at PF > 0.2, Voltage > 5V			
Power Apparent (VA)	Range	0~5100VA			
	Resolution	0.1VA			
	Accuracy	Voltage * I <sub>rms</sub> , Calculated value			
Power Resistive (VAR)	Range	0~5100VAR			
	Resolution	0.1VAR			
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value			
Power Factor (PF)	Range	0.00~1.00			
	Resolution	0.01			
	Accuracy	W/VA, Calculated value			
Harmonic		Not Support			
Σ Current	Range <sup>[1]</sup>	H	0.3A~82.8A	H 0.3A~124.2A	H 0.3A~165.6A
		M	0.2A~36A	M 0.2A~54A	M 0.2A~72A
		L	0.1A~9A	L 0.1A~13.5A	L 0.1A~18A
		mA	0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A
	Resolution	0.01A			
Accuracy	0.4%+1.0%F.S.				
Σ Current	Range <sup>[1]</sup>	0~9180W	0~13770W	0~18360W	
	Resolution	0.1W			
	Accuracy	0.4% of setting + 0.3%F.S at PF > 0.2, Voltage > 5V			
<b>Extra Function</b>					
Remote Sense	Range	5V(rms), Max. Total power less than rated power			
Slew Rate	Range	AC Voltage 0.001~1200.000V/ms and Disable			
		DC Voltage 0.001~1000.000V/ms and Disable			
		Frequency 0.001~1600.000HZ/ms and Disable			
Transient Generator(only for 15-70HZ)	Range	Trans-Start : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Volt : -212V~+212V(L), -424V~+424V(H),Resolution : 0.1V			
		Trans-Time : 0.0~66.5ms@15Hz ,Resolution : 0.1ms			
		Trans-Cycle : 0~9999, Constant			
Calibration <sup>[2]</sup>		Firmware-based calibration through the digital interface or front panel			
Graphic Display		4.3" Color touch LCD			
Operation Key Feature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware			
Rack mount Handles		Yes			
FAN		Temperature Control			
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP			
Interface		Standard USB, RS-485, RS-232, LAN, GPIB is Optional			
<b>Environment</b>					
Operating Temperature		0°C~40°C			
Storage Temperature		-40°C~85°C			
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.	
Altitude		2000m			
Relative Humidity		5%~95%, non-condensing			
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency			
<b>Mechanical</b>					
Dimensions(WxHxD)		560.0x754.0x700.0 mm	560.0x754.0x700.0 mm	560.0x932.0x700.0 mm	
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