

SPECIFICATIONS-3					
Model	61509 *7	61511	61512	61511+A615103	61512+A615103
Output Phase	1 or 3 selectable				
Output Rating-AC					
Power	6kVA	12kVA	18kVA	30kVA	36kVA
Each phase	2kVA	4kVA	6 kVA	10kVA	12kVA
Voltage					
Range	0-175V/0-350V/Auto		0-150V/0-300V		
Accuracy	0.1%+0.2%F.S. *1		0.1%+0.2%F.S.		
Resolution	0.1 V				
Distortion *2	0.3% @50/60Hz, 1% @15Hz-1kHz, above 1 kHz, add 0.2%/kHz to 1%		0.3% @50/60Hz, 1% @15-1kHz, 1.5% @>1kHz		
Line regulation	0.10%				
Load regulation *3	0.20%				
Temp. coefficient	0.02% per degree from 25°C				
Max Current (1-phase mode)					
RMS	60A/30A	96A / 48A	144A / 72A	240A / 120A	288A / 144A
Peak (CF=4)	240A / 120A	384A / 192A	576A / 288A	960A / 480A	1152A / 576A
Max Current (each phase in 3-phase mode)					
RMS	20A/10A	32A / 16A	48A / 24A	80A / 40A	96A / 48A
Peak (CF=4)	80A/40A	128A / 64A	192A / 96A	320A / 160A	384A / 192A
Frequency					
Range	15Hz - 2000Hz, 15Hz - 5kHz (HF option)		DC, 15-1.5kHz		
Accuracy	0.005%				
Resolution	0.01Hz (15Hz - 999Hz), 0.1Hz (1000Hz - 5000Hz)		0.01 Hz		
Phase					
Range	0 - 359.9°				
Resolution	0.1°		0.3°		
Accuracy	± 1°, 15Hz - 1kHz plus ± 1°/ kHz above 1 kHz		<0.8° @50/60Hz		
DC Output (1-phase mode)					
Power	4.5kW	6kW	9kW	15kW	18kW
Voltage	247.5V/495V	212V / 424V	212V / 424V	212V / 424V	212V / 424V
Current	45A/22.5A	48A / 24A	72A / 36A	120A / 60A	144A / 72A
DC Output (3-phase mode)					
Power	4.5kW	2kW	3kW	5kW	6kW
Voltage	247.5V/495V	212V / 424V	212V / 424V	212V / 424V	212V / 424V
Current	15A/7.5A	16A / 8A	24A / 12A	40A / 20A	48A / 24A
Input AC Power (each phase)					
AC type	3-phase, Delta or Y connecting				
Voltage Operating Range*4	3Ø 200-240V ± 10%V _{LN} (Delta: L-L, Y: L-N)				
Frequency Range	47-63 Hz				
Max. Current	23A Max./Phase	Delta: 80A Y: 70A	Delta: 120A Y: 90A	Delta: 200A Y: 160A	Delta: 240A Y: 180A
Measurement					
Voltage					
Range	0-175V/0-350V/Auto		150V / 300V		
Accuracy	0.1%RD+0.2%F.S. *1		0.1%+0.2%F.S.		
Resolution	0.1 V				
Current					
Range	120A/60A	128/32/8 A peak	192/48/12 A peak	320/80/20 A peak	384/96/24 A peak
Accuracy (RMS)	0.2% + 0.2% F.S *1		0.4% + 0.3% F.S.		
Accuracy (peak)	0.2% + 0.4% F.S *1		0.4% + 0.6% F.S.		
Resolution	0.1 A				
Power					
Accuracy	0.2%+0.4%F.S *1		0.4%+0.4% F.S		
Resolution	0.1 W				
Others					
Waveform Synthesis	50 orders @ 50/60Hz				
Harmonic Measurement	Voltage / Current 50 orders @ 50/60Hz				
Programmable Impedance	0Ω+200 μH - 1 Ω+2mH	0Ω+200 μH - 1 Ω+1mH			
Efficiency*5	>80%(Typical)		0.75 (Typical)		
Protect	UVP, OCP, OPP, OTP, FAN				
Interface	GPIB, RS-232, USB host, USB, Ethernet (standard)		GPIB, RS-232, USB, Ethernet (standard)		
Temperature					
Operating	0°C -40°C				
Storage	-40°C -85°C				
Humidity	30 % -90 %				
Safety & EMC					
CE (include EMC & LVD)					
Dimension (H x W x D)	221.5 x 425 x 680 mm / 8.72 x 16.73 x 26.77 Inch	1163 x 546 x 700 mm / 45.78 x 21.5 x 27.56 Inch*6		1163 x 546 x 700 mm / 45.78 x 21.5 x 27.56 Inch x 2 units*6	
Weight	60kg / 132 lbs	229.4 kg / 505.29 lbs	242.4 kg / 533.92 lbs	480 kg / 1057.27 lbs	495 kg / 1090.31 lbs

Note*1 : Add 0.2%/kHz to FS when above 1 kHz

Note*2 : Maximum distortion is tested on output 125VAC (150V RANGE) and 250VAC (300V RANGE) with maximum current to linear load.

Note*3 : Load regulation is tested with sine wave and remote sense.

Note*4 : Models with 277V_{LN}/480V_{LL} (5 Wires) AC Input voltage are available upon request.

Note*5 : Efficiency is tested on Input voltage 230V.

Note*6 : Dimensions (HxWxD) with wheel sets : 1246 x 546 x 700mm / 49.05 x 21.5 x 27.56 inch.

Note*7 : Preliminary specifications