

SPECIFICATIONS

AC POWER SUPPLY **EPO** SERIES

Model		Phase Mode Selectable		Single Phase System						Phase Mode Selectable System			
		EPO 2000X		EPO 2000S	EPO 4000S	EPO 8000S	EPO 10000S	EPO 12000S	EPO 6000M	EPO 12000M	EPO 18000M	EPO 24000M	EPO 36000M
Rated power		2kVA (4kVA single phase or single phase three wire by connecting 2 units of the same model, 6kVA single phase or three phase by connecting 3 units)		2kVA	4kVA	8kVA	10kVA	12kVA	6kVA	12kVA	18kVA	24kVA	36kVA
Phase		Single phase / Three phase / Single phase three wire (three phase attainable by connecting 3 units of the same model, single phase three wire attainable by connecting 2 units of the same model)		Single phase						Single phase / Three phase / Single phase three wire			
Setting voltage range		100V	0V to 150.0V (0.1V resolution)*1		0V to 150.0V (0.1V resolution)*1						0V to 150.0V (0.1V resolution)*1		
		200V	0V to 300.0V (0.1V resolution)*1		0V to 300.0V (0.1V resolution)*1						0V to 300.0V (0.1V resolution)*1		
Maximum current *2	single phase 100V/200V	20A/10A with 1 unit *4		20A/10A	40A/20A	80A/40A	100A/50A	120A/60A	60A/30A	120A/60A	180A/90A	200A/100A	200A/100A
	three phase *3 100V/200V	(20A/10A with 3 connected units)							20A/10A	40A/20A	60A/30A	80A/40A	120A/60A
	single phase three wire *3 100V/200V	(20A/10A with 2 connected units)							20A/10A	60A/30A	80A/40A	120A/60A	180A/90A
Maximum in rush current (rms, short term)		2.8 times maximum current (rms)											
Maximum peak current *5 (peak, continuous)		4 times maximum current (rms)											
Load power factor		0 to 1 (lead phase or delay phase)											
Distortion factor		under 0.5%											
Start phase at output on		0 ° 90 ° 180 ° 270 ° selectable											
Frequency		5.0Hz to 550.0Hz (0.1Hz resolution), Setting accuracy: within ±0.01% of setting values, Stability: within ±0.005% of setting values											
Line synchronization		synchronized AC output to power line frequency											
Setting voltage range	100V	0V to 212.0V (0.1V resolution)											
	200V	0V to 424.0V (0.1V resolution)											
Maximum current	100V	9A (18A with 2 connected units, 27A with 3 connected units)		9A	18A	36A	45A	54A	27A	54A	81A	90A	90A
	200V	4.5A (9A with 2 connected units, 13.5A with 3 connected units)		4.5A	9A	18A	22.5A	27A	13.5A	27A	40.5A	45A	45A
Max. output power		1.3kW (2.6kW with 2 connected units, 3.9kW with 3 connected units)		1.3kW	2538W	5076W	6345W	7614W	3807W	7614W	11421W	12690W	12690W
Against load current fluctuation		DC, 40Hz to 120.0Hz: ±0.1%, 120.1Hz to 500Hz: ±0.5%											
Against input line voltage fluctuation		±0.2%											
Against ambient temperature change		±100ppm/ (typ.)											
Voltage, Frequency and Phase		170V to 250V *6 48Hz to 62Hz, single phase						170V to 230V, 48Hz to 62Hz, three phase					
Efficiency		76% (typ.) during 200V input (three phase input is line voltage)											
Input current *7	max. 14A		max. 14A	max. 25A	max. 37A	max. 49A	max. 49A	max. 25A	max. 49A	max. 75A	max. 98A	max. 147A	
	max. 2.8kVA		max. 2.8kVA	max. 6.1kVA	max. 11.4kVA	max. 14.2kVA	max. 16.8kVA	max. 8.4kVA	max. 16.8kVA	max. 25.2kVA	max. 33.6kVA	max. 50.4kVA	
Measurement functions		voltage, current, effective power, apparent power, power factor, peak current holding functions											
Other functions		failure diagnosis function, protection function, memory function, preset function, limiter function, GPIB/RS-232											
Withstand voltage *8		AC1.5kV, 50Hz/60Hz, 1 minute											
Insulation resistance *8		min. 10M			min. 5M	min. 2.5M	min. 2M	min. 1.6M	3.3M	1.6M	3.3M *9	1.6M *9	1.6M *9
Weight *10		approx. 25kg		approx. 25kg	approx. 85kg	approx. 140kg	approx. 160kg	approx. 175kg	approx. 100kg	approx. 175kg	approx. 300kg	approx. 350kg	approx. 525kg
Configurations		2kVA unit		2kVA unit	M style cabinet	L style cabinet	L style cabinet	L style cabinet	M style cabinet	L style cabinet	M style cabinet 3 sets	L style cabinet 2 sets	L style cabinet 3 sets
Reference		*1 Three phase or single phase three wire when setting phase. Line voltage settings are also available.(0.2V resolution) *2 Output current is reduced when output frequency is under 40Hz. *3 Within phase voltage set to 100V in the100V range and phase voltage set to 200V in the 200V range. *4 40A/20A with 2 connected units. 60A/30A with 3 connects units. *5 For capacitor input type rectifier load. *6 100V operation is possible with the EPO 2000X and EPO 2000S, but output is limited to approx. 800VA *7 at 200V power input *8 Power input line vs. output line, output line vs. chassis *9 Values for each cabinet *10 Excluding accessories and options Output offset voltage: ±100mV (typ.)											