

EPOWER SERIES Technical Specifications

MODEL	EP10	EP20	EP30	EP40	EP60	EP80
Capacity (VA/Watts)	10kVA / 9kW	20kVA / 18kW	30kVA / 27kW	40kVA / 36kW	60kVA / 54kW	80kVA / 72kW
INPUT						
Operating voltage range	380/400/415Vac (380–25%, 415+20%), (3Ph+N+PE)					
Operating frequency range	50/60Hz (± 5Hz)					
Power factor	>0.97(with filter)					
OUTPUT						
Output voltage	380/400/415Vac (± 1%)					
Output frequency	50/60Hz (± 0.05%)					
Harmonic distortion (THD)	<3% (linear load)					
Crest factor	3:1 (Max.)					
Efficiency	>89%	>90%	>91%		>92%	
BYPASS						
Rated voltage	380/400/415Vac					
Rated frequency	50/60Hz					
BATTERY						
Battery voltage	384Vdc					
SYSTEM FEATURES						
Transfer time	0ms (Line mode ↔ Battery mode)					
Overload	110%/60min ,125%/10min ,150%/1min					
Communication interface	LCD display, LED indication, Dry contact, RS232, RS485, SNMP card (Optional)					
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor					
ENVIRONMENTAL						
Operating temperature	0 – 40°C					
Storage temperature	–25°C – 55°C					
Humidity range	0 ~ 95% (non-condensing)					
Altitude	<1500m					
Noise level	<60dB			<65dB		
PHYSICAL						
Dimension W × D × H (mm)	570 × 800 × 1195				880 × 760 × 1600	

MODEL	EP100	EP120	EP160	EP200	EP300	EP400	EP500	EP600	EP800
Capacity (VA/Watts)	100kVA / 90kW	120kVA / 108kW	160kVA / 144kW	200kVA / 180kW	300kVA / 270kW	400kVA / 360kW	500kVA / 450kW	600kVA / 540kW	800kVA / 720kW
INPUT									
Operating voltage range	380/400/415Vac (–25%/+20%), (3Ph+N+PE)								
Operating frequency range	50/60Hz (± 5Hz)								
Power factor	>0.97(with filter)								
OUTPUT									
Output voltage	380/400/415Vac(± 1%)								
Max. output current	152A	182A	243A	304A	456A	608A	760A	912A	1216A
Output frequency	50/60Hz (± 0.05%)								
Harmonic distortion (THD)	<2% (linear load)								
Crest factor	3:1 (max)								
Efficiency	>92%	>92%	>92%	>92.5%	>93%	>94%	>95%	>95%	>96%
BYPASS									
Rated voltage	380/400/415Vac								
Rated frequency	50/60Hz (auto-sensing)								
BATTERY									
Battery voltage	384Vdc						480Vdc		
SYSTEM FEATURES									
Transfer time	0ms (Line mode ↔ Battery mode)								
Overload	110%/60min ,125%/10min ,150%/1min								
Communication interface	LCD display, LED indication, Dry contact, RS232, RS485, SNMP card (Optional)								
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor								
ENVIRONMENTAL									
Operating temperature	0 – 40°C								
Storage temperature	–25°C – 55°C								
Humidity range	0 ~ 95% (non-condensing)								
Altitude	<1500m								
Noise level	<65dB					<70dB			
PHYSICAL									
Dimension W × D × H (mm)	1160 × 805 × 1600(6P) 1520 × 830 × 1600(12P)	1400 × 945 × 1900(6P) 1640 × 1040 × 1900(12P)	1640 × 1040 × 1900(6P) 1760 × 1040 × 1900(12P)	2800 × 1040 × 1900(12P)	3900 × 1100 × 1950(12P)				

Specifications are subject to change without prior notice.