

EPOWER Technical Specifications

Model	EP10	EP20	EP30	EP40	EP60	EP80	EP100	EP120	EP160	EP200	
Rated capacity (VA)	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	
Rated power (W)	9KW	18KW	27KW	36KW	54KW	72KW	90KW	108KW	144KW	270KW	
Rated voltage	220Vac or 230Vac										
Input											
Voltage range	(380Vac/400Vac/415Vac)+-25% (3ph, 5w)										
Frequency range	50 / 60 Hz +-5% Hz Auto-sensing										
Power factor	> 0.8% (without filter), 1 (with filter) >0.85										
Rated output current	15A	30A	45A	60A	90A	120A	152A	182A	243A	304A	
Output											
Voltage range	380Vac/400Vac/415Vac+-1%										
Frequency	Auto tracking the input frequency										
Frequency regulation (batt.)	50 Hz / 60 Hz +-0.05%										
Waveform	Sine wave										
Power factor	0.9(lag)										
THD	Linear load < 3%, Non-linear load < 5%										
Overload	110%/125%/150% : 60min/10min/1min										
Crest factor	3 : 1 (max)										
Efficiency	88%	89%	90%	90%	91%	91%	91%	91.5%	91.5%	92%	
Transfer time											
AC mode ↔ Battery mode	0ms										
Bypass											
Rated voltage	380/400/415Vac										
Voltage range	Upper limit: +10%, +15%, +20% (can be set)										
	Lower limit: -10%, -20%, -30%, -40% (can be set)										
Rated frequency	50/60 Hz (auto-sensing)										
Frequency range	+-10% (+-2.5%, +-5%, +-20% can be set)										
Transfer time	0ms / 1ms										
Battery											
Battery voltage (VDC)	384V										
Display											
LED	Input, Inverter, Bypass, Battery, Output status										
LCD	I/O voltage, Frequency, Power, Power factor, Battery voltage, Current, Battery status, Load percentage, UPS status, History record, Parameters setting										
Communication											
Interface	RS232 RS485, Dry contact										
Options											
Options	Harmonic filter, SNMP adapter, LBS cables, Battery temperature sensor, Battery ground fault detection										
Environment											
Temperature	0-40 °C										
Humidity	0-95% non-condensing										
Noise	<63dB (1m)			<67dB (1m)			<68dB (1m)		<70dB (1m)	<72dB (1m)	
Storage temperature	-25 °C - 55 °C										
Environment											
Net weight (kg)	225kg	275kg	320kg	335kg	490kg	575kg	1060kg	1060kg	1195kg	1380kg	
Dimension WxDxH (mm)	555x744x1220				800x760x1400			1640x900x1900			
Product approval											
TISI	TISI 1291 NO 1-2553,NO 2-2553,NO 3-2555										
Factory approval											
ISO	ISO 9001:2015,14001:2015										

Specifications are subject to change without prior notice.

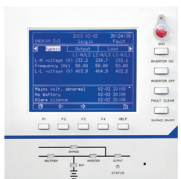


EPOWER SERIES

Power range: 10~200kVA

Work: online, 3:3 phase, PF: 0.9

- Advanced working mode
- Full DSP Control
- High output power factor
- Strong environmental adaptability
- Optimization of high-performance battery
- N+X Parallel redundancy
- Strong overload capability
- Compatible with the generator
- LBS synchronization
- Comprehensive and reliable protection
- EPO function
- User-friendly network management



ISO 9001
Quality Management

ISO 14001
Environmental Management



สกน.1291-เอน์1-2553
สกน.1291-เอน์2-2553
สกน.1291-เอน์3-2555