



Epower Series (10~200KVA)

3:3 Phase



Application:

small-medium computer data center, industrial process and other mission-critical equipment



Features:

- Three phase in, three phase out
- Double conversion on line technology
- Static bypass
- Manual maintenance bypass
- Double CPU control
- LCD with control panel
- Remote management
- Parallel redundant
- Self diagnosis
- Low noise
- High efficiency cuts down your expense
- Wide input voltage range

Specifications:

Series	Epower Series											
Capacity	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	
Power	8KW	12KW	16KW	24KW	32KW	48KW	64KW	80KW	96KW	128KW	160KW	
Power Factor	0.8											
Input												
Phase	3 phase 4 wire and ground											
Voltage Range	+/-20%											
Frequency Range	45 - 65Hz											
Rectifier	3 phase 6 pulses											
Output												
Phase	3 phase 4 wire and ground											
Wave form	Sine wave											
Crest Factor	3:1											
Rated voltage	380/400/415V optional											
Phase voltage setting	200 - 244VAC (control panel)											
Transient response	+/-5%, 10ms											
Frequency	50 / 60 Hz											
Frequency stability	+ / - 0.05%											
Range of phase lock	With synchronization: +/- 0.05%. Without synchronization: +/- 2% (settable +/-1% on the control panel)											
Total harmonic distortion	3% (linear load)											
Short circuit current	Short current for 0.1s (200% current)											
Overload capacity	110% /125% /150% rated current 300 min/ 10min /1min											
Battery												
Battery	Maintenance free lead-acid cell											
DC Voltage	384VDC			432VDC				480VDC				
Bypass												
Type	Static state + manual maintenance bypass											
Input Phase	3 phase 4 wire and ground											
Input voltage range	15% - 25% (the front control panel selectable)											
Input frequency range	+/-1% ~ +/- 5% the front control panel selectable											
Transfer time	Inverter / bypass transfer switch time(Overload): 0ms inverter / bypass transfer switch time (fault inverter) 1ms											
Overload capacity (10 min)	170%	180%	170%	170%	170%	140%	130%	125%	125%	125%	125%	
System												
Remote signaling	Dry contact (battery low, battery discharging, bypass/ fault); output 12Vdc/80mA											
Remote control	EPO and bypass											
Communication interface	RS232 (SNMP , modem optional)											
Running temperature	0-40 degree Celsius											
Relative Humidity	Less than 95% (without condensing)											
Altitude	1000m output nominal power (with increase of 100m, it will reduce output of 1%) max 4000m											
Noise at 1 M	less than 60 dB											
Inverter Efficiency	92%					93%						
Degree of protection	IP20											
Applicable Standards	EN50091-1-EMC EN50091-2Iv.A											
Optional	Isolating transformer Harmonic wave suppression filter Parallel modules can be up to six											
Net/Gross weight (Kg)	223/280	260/317	260/317	336/393	351/408	497/574	556/633	756/856	901/1001	1300/1400	1350/1450	
Unit Dimension(W×D×H) mm	555 × 725 × 1220			800 × 745 × 1400			1070 × 745 × 1400			1420 × 745 × 1810		
Packing Dimension(W×D×H) mm	660 × 855 × 1425			880 × 945 × 1585			1254 × 875 × 1585			1520 × 880 × 2000		