

**Specifications Epower(10~120kVA)**

Series	Epower series								
Capacity	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA
Power	8KW	12KW	16KW	24KW	32KW	48KW	64KW	80KW	96KW
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%
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 EN50091-2liv.A								
Optional	Isolating transformer								
	Harmonic wave suppression filter								
	Parallel modules can be up to six								
Net weight (Kg)	210	230	230	282	330	450	555	650	750
Gross weight (Kg)	260	280	280	332	380	505	600	700	800
Packing (WxDxH)	660x860x1430					950x890x1620		1200x810x1540	