



Why come to us for a solution?

- Quality products
- Wide range of products
- Nationwide backup
- Locally produced UPS's
- Competitively priced
- Unique design
- Good value for money
- 24 hours after sales services



EP SERIES

ON-LINE UPS 10KVA - 500KVA

The EP Series offers the ultimate power protection. It incorporates double conversion technology and parallel redundancy and is built to meet the specifications required with fail safe intelligence. Recommended for large computer environments where being on-line permanently is critical.



APPLICATION

Medium-Large Computer Data Centres, Industrial Processes and Other Mission Critical Equipment

FEATURES

- Double conversion on-line technology
- Modular capabilities
- Double CPU control
- Internal batteries
- Static bypass
- Manual maintenance bypass
- Wide input voltage range
- LCD with control panel
- Advanced battery management
- Parallel redundant, up to 4 modules
- Self diagnosis
- Full protection against surges, dips, overcharge, overload



EP SERIES

ON-LINE UPS 10KVA - 500KVA

MODEL	EP10S	EP20S	EP30S
CAPACITY	10KVA	20KVA	30KVA
POWER	9KW	18KW	27KW
POWER FACTOR	0.9(lagging)		
INPUT			
PHASE	3 phase - 4 wire and ground		
VOLTAGE RANGE	380/400/415V ±15% three phase		
FREQUENCY RANGE	50Hz ±5Hz		
OUTPUT			
PHASE	3 phase 4 wire and ground		
WAVE FORM	sine wave		
CREST FACTOR	3:1 (max)		
RATED VOLTAGE	380/400/415V		
PHASE VOLTAGE SETTING	200 - 244 VAC (control panel)		
TRANSIENT RESPONSE	±5% 10ms		
FREQUENCY	auto tracking input frequency / battery mode 50Hz ±0.05%		
INVERTER EFFICIENCY	88%	89%	90%
TOTAL HARMONIC DISTORTION	<3%(linear load); <5%(non-linear load)		
SHORT CIRCUIT CURRENT	200% for 0.01s		
OVERLOAD CAPACITY	110% / 125% / 150% 60min / 10min / 1min		
BATTERY			
INTERNAL BATTERY	64 x 12V 7Ah	64 x 12V 9Ah	64 x 12V 9Ah
BATTERY TYPE	maintenance free sealed lead-acid		
DC VOLTAGE	384VDC		
LED	input, inverter, bypass, battery and output		
LCD	input and output voltage, frequency, power factor, battery voltage, battery current and status, load percentage, UPS status, history record and settings		
BYPASS			
TYPE	static state & manual maintenance bypass		
INPUT PHASE	3 phase 4 wire and ground		
VOLTAGE RANGE	-20% - +15%		
INPUT FREQUENCY RANGE	±2%		
TRANSFER TIME	inverter / bypass switch transfer time - overload: 0ms inverter / bypass switch transfer time - inverter fault: 1ms		
OVERLOAD CAPACITY	15 times rated current (10ms), 5 times rated current (5ms)		
COMMUNICATION			
REMOTE SIGNALING	dry contact		
COMMUNICATION INTERFACE	RS232, RS485, SNMP adapter optional		
ENVIRONMENT			
RUNNING TEMPERATURE	0-40°C		
HUMIDITY	0-95% (non-condensing)		
NOISE AT 1M	<63dB		
PROTECTION			
INDUSTRY STANDARDS	YD/T 1095-2008		
APPLICABLE STANDARDS	EMI IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4(EFT); IEC61000-4-5		
OPTIONAL			
	isolation transformer in bypass		
	harmonic filter, SNMP Adapter, bypass current-sharing conductor		
	parallel modules - max. 4		
GENERAL			
NET WEIGHT (KG)	431/461	496/526	532/562
DIMENSIONS (W x D x H)	850 x 780 x 1195		
PACKING DIMENSIONS (W x D x H)	1000 x 930 x 1390		



In the interests of continuous product improvement, all specifications are subject to change without notice.