



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
- 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

CAPACITY	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	300KVA	400KVA	500KVA	
POWER	9KW	18KW	27KW	36KW	54KW	72KW	90KW	108KW	144KW	180KW	270KW	360KW	450KW	
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%		91%			92%		93%		94%		
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														
BATTERY	maintenance free lead-acid													
DC VOLTAGE	384VDC												480VDC	
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			<67dB			<68dB			<70dB	<72dB			
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)	213/259	273/319	316/362	328/374	483/553	568/638	800/886	902/988	1219/1349	1429/1555	1800/1950	2050/2180	3700/3950	
DIMENSIONS (W x D x H)	570 x 800 x 1195				880 x 760 x 1600			1160 x 805 x 1600			1400 x 945 x 1900		1640 x 1040 x 1900	2800 x 1040 x 1900
PACKING DIMENSIONS (W x D x H)	700 x 930 x 1390				1030 x 880 x 1800									

Notes:



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