



Why come to us for a solution?

Quality products
Wide range of products
Nationwide backup
Locally produced UPS's
Competitively priced
Unique design
Great value for money
After sales service



EP SERIES

ON-LINE UPS 10KVA - 800KVA

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.

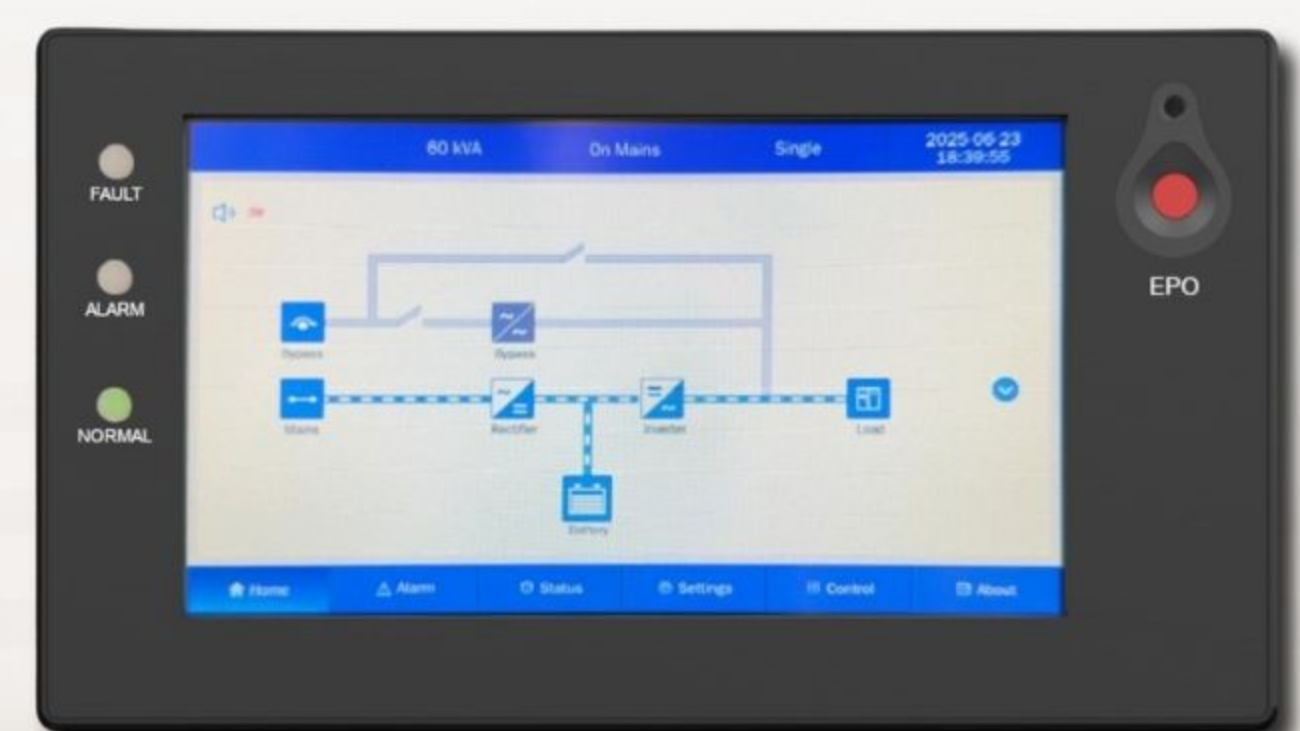


APPLICATION

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

FEATURES

- Double conversion on-line technology
- Transformer-based
- Double CPU control
- Static bypass
- Manual maintenance bypass
- Wide input voltage range
- Full LCD touchscreen display
- Advanced battery management
- N+X Parallel redundant, up to 6 modules
- Self diagnosis
- Full protection against surges, dips, overcharge, overload
- High power factor - 0.9
- EPO function



CAPACITY	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	300KVA	400KVA	500KVA	600KVA	800KVA		
POWER	9KW	18KW	27KW	36KW	54KW	72KW	90KW	108KW	144KW	180KW	270KW	360KW	450KW	540KW	720KW		
POWER FACTOR	0.9(lagging)																
INPUT																	
PHASE	3 phase - 4 wire and ground																
VOLTAGE RANGE	380/400/415V ±20% 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																
FREQUENCY	auto tracking input frequency / battery mode 50Hz ±0.05%																
INVERTER EFFICIENCY	≥88%	≥89%	≥90%	≥90.5%	≥92%	≥92.5%	≥93%	≥93.5%	≥94%								
TOTAL HARMONIC DISTORTION	<3%(linear load)																
OVERLOAD CAPACITY	110% - 60min, 125% - 10min, 150% - 1min																
BATTERY																	
BATTERY	maintenance free lead-acid																
DC VOLTAGE	384VDC												480VDC				
LED	UPS input, inverter, bypass, battery, failure, overload 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	Upper limit: +20% (+10%,+15%,+20% adjustable) Lower limit: -40% (-10%, -20%, -30%, -40% adjustable)																
FREQUENCY RANGE	±10% (±2.5, ±5%, ±10%, ±20% adjustable)																
TRANSFER TIME	inverter / bypass switch transfer time - overload: 0ms inverter / bypass switch transfer time - inverter fault: 1ms																
COMMUNICATION																	
REMOTE SIGNALING	dry contact																
COMMUNICATION INTERFACE	RS232, RS485, SNMP adapter, Modbus																
ENVIRONMENT																	
RUNNING TEMPERATURE	0-40°C																
HUMIDITY	0-95% (non-condensing)																
ALTITUDE	<1500M																
NOISE AT 1M	<60dB			<65dB						<70dB							
PROTECTION																	
SAFETY STANDARDS	IEC/EN62040-1; IEC/EN60950-1																
APPLICABLE STANDARDS	EMC IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8																
OPTIONAL																	
	isolation transformer in bypass																
	harmonic filter, SNMP Adapter, bypass current-sharing conductor																
	parallel modules - max. 6																
GENERAL																	
NET WEIGHT (KG)	145/160	165/180	204/225	255/280	320/345	450/485	556/591	693/738	780/825	1429/1555	1800/1950	2050/2180		3700/3950	6400/6700		
DIMENSIONS (W x D x H)	350 x 650 x 1050			430 x 830 x 1100			720 x 690 x 1400			890 x 790 x 1600			1400 x 1000 x 1900			2580/2800/3900 x 1040 x 1900	
PACKING DIMENSIONS (W x D x H)	480 x 790 x 1250			560 x 960 x 1300			850 x 810 x 1600			1040 x 890 x 1800							