EP SERIES

ON-LINE UPS 10KVA - 800KVA

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

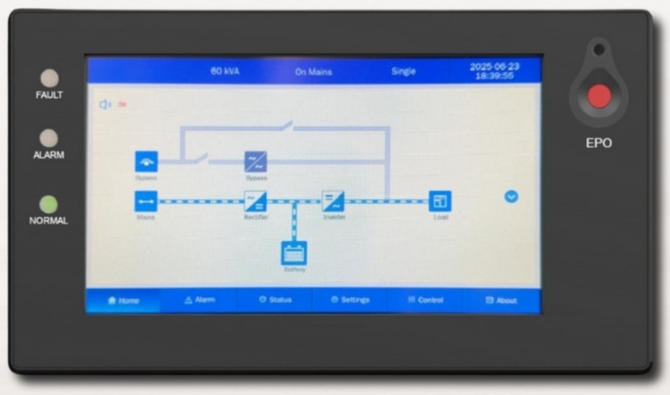
The EP Series offers the ultimate power protection. It incorporates double conversion technology and parallel redundancy and is built to meet the specifications required with fail safe intelligence. Recommended for large computer environments where being on-line permanently is critical.

APPLICATION

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

FEATURES

- Double conversion on-line technology
- 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



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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							

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