



## 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 - 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
- Double CPU control
- Static bypass
- Manual maintenance bypass
- Wide input voltage range
- Full LCD with control panel
- 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



# EP SERIES

## ON-LINE UPS 10KVA - 800KVA

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 optional																	
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)	217/272	273/328	316/371	330/385	483/553	525/595	800/890	903/993	980/1080	1030/1130	1560/1690	1640/1770	3510/3730	4500/4750	6400/6700			
DIMENSIONS (W x D x H)	570 x 800 x 1195			880 x 760 x 1600			1160 x 805 x 1600			1200 x 800 x 1600			1400 x 1000 x 1900			2580/2800/3900 x 1040 x 1900		
PACKING DIMENSIONS (W x D x H)	700 x 930 x 1390			883 x 1030 x 1800														

Notes:

