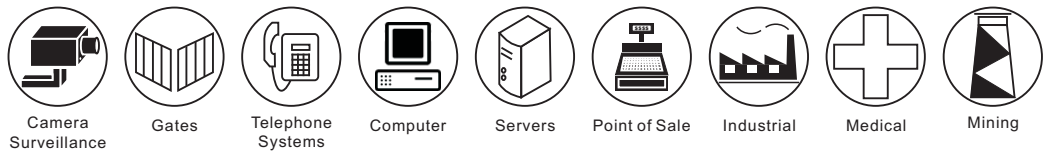


E Power On-line 3 Phase UPS



Features

- Fully Digitized microprocessor control
- Wide input voltage range
- Galvanic Isolation Output
- Interactive LCD/LED display
- N + X parallel redundancy available
- Advanced battery management
- Internal manual bypass
- Lightning and surge protection
- Short circuit and overload protection
- Optional extension battery pack
- EMI / RFI noise filter
- Smart RS232 with monitoring software
- SNMP option available



Display



LED Functions:

- ① Input Voltage
- ② Bypass Active
- ③ Battery
- ④ Inverter Active

LCD Functions:

- Input/Output Voltage
- Frequency
- Power
- Power Factor
- Battery Voltage
- Current
- Battery Status
- Load Percentage
- UPS Status
- History Record
- Set Parameters

Relay PCB Functions

- AC failure
- Battery low voltage
- UPS fault
- Bypass

Options

- SNMP capability
- External manual bypass
- Harmonic Filter

Specifications

Model	EP10	EP20	EP30	EP40	EP60	EP80	EP100	EP120	EP160	EP200	
Capacity (VA)	10kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA	
Power Rating (W)	9kW	18kW	27kW	36kW	54kW	72kW	90kW	108kW	144kW	180kW	
Input											
Voltage range	380V/400V/415V \pm 25% Three - Phase, Four wire										
Frequency range	50/60Hz \pm auto-sensing										
Power factor	0.8-0.9 Load dependant										
Rated current	15A	30A	45A	60A	90A	120A	150A	160A	240A	300A	
Output											
Voltage range	380V, 400VA, 415V \pm 1% user selectable										
Frequency	50/60Hz \pm auto-sensing										
Output waveform	Sine wave										
Power factor	0.9										
Distortion	Linear load < 3%, Non-Linear < 5%										
Overload capacity	125% for 10 minutes, 150% for 60 seconds										
Crest factor	3:1 (max)										
Efficiency	88%	89%	90%	90%	91%	91%	91.5%	91.5%	92%	92%	
Bypass											
Rated voltage	380/400/415VAC										
Bypass voltage range	Upper limit: +10%, +15%, +20% selectable; Lower limit: -10%, -20%, -30%, -40% selectable										
Rated frequency	50/60 Hz (auto-sensing)										
Bypass frequency range	+/-2% , +/-10%, +/-20% selectable										
Transfer time to bypass	0ms										
Overload capacity	1500% for 10ms, 500% for 5s										
Battery											
Type	12V sealed lead acid, maintenance free										
Standard Configuration	32	32	32	32	32	32	36	40	40	40	
Min Amount of Batteries	30	30	30	30	30	30	34	38	38	38	
Max Amount of Batteries	33	33	33	33	33	33	36	40	40	40	
Comms & Management											
Ports	Relay contact and RS232 standard										
Software	Windows 95/98/NT/2000/XP/Vista/7, Windows Server 2003/2008 Linux Debian, Redhat, Fedora, Suse, Ubuntu, CentOS, Novell, Mac, FreeBSD										
LCD	Display input/output voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record, set parameters										
LED	Indicate the status of input, inverter, bypass, battery, output										
Options	Harmonic filter, SNMP adapter, Battery temperature sensor, Manual Bypass										
Environment											
Operating temperature	0 - 40°C										
Humidity	0 ~95% Non-condensing										
Storage temperature	-25°C - 55°C										
Noise	< 65dB @ 1m			< 68dB @ 1m				72dB @ 1m			
Physical characteristics											
Net (kg)	223	260	336	351	490	575	755	900	1300	1350	
Gross (kg)	280	317	393	408	560	645	855	1000	1400	1450	
Dimension (W*D*H)	555*720*1220				800*740*1400			1070*750*1400		1420*750*1805	
Safety & EMC											
IEC 62040-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, CE, C-Tick											

Specifications subject to change without prior notice.