

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

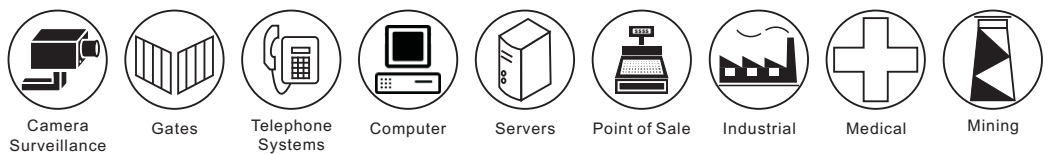


LED Functions:

- 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	EP20
Capacity (VA)	20kVA
Power Rating (W)	18kW
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	30A
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	89%
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
Min Amount of Batteries	30
Max Amount of Batteries	33
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
Physical characteristics	
Net (kg)	223
Gross (kg)	280
Dimension (W*D*H)	555*720*1220
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.