



Rack/Tower case 2KVA



Features

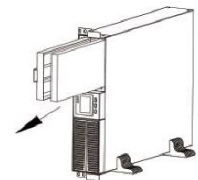
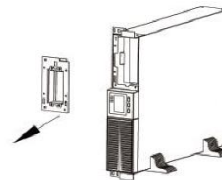
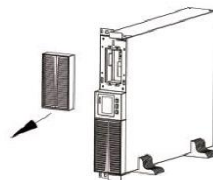
- High frequency true on-line double conversion technology/ Rackmount 2U design for network cabinets.
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110V ~ 300Vac)
- and frequency range (40 ~ 70Hz)
- Auto sensing frequency
- Charging current max 1A
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, restored in 5h (standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Hot-swappable battery
- Advanced battery management
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional).

Available options

- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, MBS (External maintenance bypass switch)

Rear Panel

1. Overcurrent protection
2. AC input
3. DC input
4. Outlets
5. Fan
6. RS232
7. EPO (optional)
8. USB (optional)
9. Intelligent slot



Easy for maintenance, hot-swappable battery

Specifications

MODEL	EC2K1
Capacity	2KVA / 1800W
INPUT	
Rated voltage	208V/220V/230V/240 Vac
Voltage range	100 ~ 176Vac (linear derating between 50% and 100% load); 176 ~ 280Vac (no derating) ; 280 ~ 300Vac (derating 50%)
Frequency	50/60Hz;
Frequency range	40 ~ 70Hz; 50Hz(45-55Hz)/ 60Hz(54-66Hz)
Power factor	≥0.99
Bypass voltage	-25% ~+15%(settable)
Total harmonic distortion (THDi)	≤ 6%
GEN connection	Yes
OUTPUT	
Voltage	1 phase 208V/220V/230V/240Vac (settable via LCD)
Voltage regulation	±1%
Frequency	Synchronized range; 50/60Hz ± 0.05Hz (battery mode)
Waveform	Pure sine wave
Power factor	0.9
Total harmonic distortion (THDv)	< 2% (linear load), < 5% (non-linear load)
Crest factor	3:1
Overload/ Overload protection	105% ~ 125% for 1 min, 125% ~ 150% for 30s, >150% for 300ms; auto transfer to bypass when overload >150% and fault then shutdown
Socket	Universal *2/ IEC C13*4
BATTERIES	
DC voltage/ Type	48VDC/ VRLA Valve regulated sealed lead-acid maintenance free battery
Inbuilt battery	12V9AH*4
Backup time at full load	4-6 mins
Recharge time	Standard model: 90% capacity restored in 5 hours
	Advanced battery management(auto transfer to continuous charging). Prioritize slow charging to preserve battery life.
SYSTEM	
Efficiency	≥ 90% (Inverter mode)
Transfer time	Mains mode to battery mode: 0ms, Inverter mode to bypass mode: 4ms (typical)
Protections mode	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection
Communications	RS232(standard) with management software-UPS monitoring viva RS232 connection; Optional for USB/RS485/dry/EPO/Intelligent slot use for NMC/SNMP/ CMC modbus/ AS400 card
LCD+LED Display	Ups operating status by LCD(Load, battery, input, output, charging, discharging, fault...)
OTHERS	
Operating/ Storage temperature	0°C ~ 40°C/ -25°C ~ 55°C (without batteries)
Relative humidity	20 ~ 95% (non-condensing)
Noise level at 1m	< 50dB(1m)

• All specifications are subject to change without notice