



EP 4500 Rack

❖ EP 4500 Rack, built for reliability, purity and power

EP 4500 Rack UPS make use of the unique double conversion circuitry to detect the electricity current and voltage output of utility power supply. The current is input via the high frequency PWM to maintain uniform wave form and phase in line with the voltage, so as to attain high input power factor over 95% and avoid generating comparatively significant harmonic interference on the power network.

With the use of the outstanding IGBT as the power conversion component, the operating frequency of the Inverter of UPS is capable of reaching tens of KHz, due to the high frequency operating characteristics of IGBT. Higher working efficiency of the inverter also improves the overall efficiency of UPS and higher inversion frequency reduces the noise of the inverter as well.

● Microprocessor Control

By means of innovative software and control programs, the complicated hardware circuitry is inlaid in the powerful microprocessor. Apart from reduced size, it also lowers the defective rate of UPS.

● Communication Ports

EP 4500 Rack Offers three different communication ports for user selection: RS232, USB card, SNMP card and AS-400 card. Through either one of them, the user can control and monitor UPS status easily.

● Auto Self-Testing System

When turning on the EP 4500 Rack UPS system, it immediately performs an inspection of the components such as the inverter, the battery, and the load. The system will also detect any problems in time to avoid causing any damage to the system.

● Modular Design

EP 4500 Rack is the modular design UPS. There are many small modular boards on the Power Board. They are Fan module, charger module, Power Supply module, DC-DC module, PFC module and PWM Driver module etc. The modular design helps technicians to maintain and repair the UPS easily and the product performance will be more stable.

● Power Management Software

To provide the battery control of the EP 4500 Rack UPS system, we developed a free download software, Winpower, available online for you to monitor and manage UPS Working Status easily and in real time.

● User Selectable Output Voltage

EP 4500 Rack enables users to select corresponding output voltage to the local mains power without changing hardware. Users can select output voltage by just pushing a button.

❖ Back Panel



- 1.Output Socket
- 2.FUSE
- 3.Breaker
- 4.Intelligent Slot
- 5.Terminal Block
- 6.External Battery Connector
- 7.Network/Fax/Modem Surge Protection
- 8.Communication Port

❖ Specification

MODEL			EP4500
CAPACITY	VA/W		4500VA/4200W
INPUT	Voltage Range	Transfer	276VAC±3VAC
		Comeback	266VAC±3VAC
	Frenquency Range		46Hz~54Hz
	Phase		Single phase with ground
	Power Factor		≥0.98
Output	Voltage		220VAC/230VAC/240VAC
	Voltage Regulation		±1%
	Frenquency(Synchronized range)		46~54Hz
	Frenquency(Batttery Mode)		50±0.05Hz
	Current Crest Ratio		3:01
	Harmonic Distortion		4% THD(Lineader Load) 7% THD(Non-Lineader Load)
	Output Waveform		Pure Sinewave
EFFICIENCY	AC MODE		>88%
	Battery Mode		
BATTERY	Battery Type		12V/9Ah
	Numbers of Batteries		20
	backup Time(Full Load)		>9 minutes
	Changing Current(Max.)		2A
	Changing Voltage		274Vdc±0.5V
TRANSFER TIME	AC to DC		Zero
	Inverter to Bypass		Zero
INDICATOR	Status		Load level/Battery Level/Battery Mode/AC mode/Bypass Mode/Fault
AUDIBLE ALARM	Battery Mode		Sounding every 4 seconds
	Low Battery		Sounding every second
	Overload		Soungding twice every second
	Fault		Continously Sounding
DIMENSION	UPS Case		600*482.6*132
	Battery Pack		
WEIGHT			18.3Kgs
ENVIRONMENT	Operating Temperature		0~40
	Relative Humidity		20~90%(NON-CONDENSING)
	Noise Level		<55dB@1Merer
INTERFACE	Smart RS-232		Sofeware supports Windows 98/NT/2000/XP/2003/ME, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, and MAC
	SNMP(optional)		Power management from SNMP manager and web browser
	USB(optional)		Windows family and Mas OS