

Line-interactive UPS JPX1000RM/JPX2000RM User Manual

K01-C000379-01

IMPORTANT SAFETY INSTRUCTIONS

(SAVE THESE INSTRUCTIONS)

This device complies with part 15 of the FCC rules, operation is subject to the following two conditions (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

The lead acid battery may cause chemical hazard, the battery presents a risk of energy hazard.

This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate your UPS.

CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)

CAUTION! To reduce the risk of overheating the UPS, do not cover the UPS' cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.

CAUTION! Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.

CAUTION! Do not plug the UPS input into its own output.

CAUTION! Do not allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.

CAUTION! In the event of an emergency, press the OFF button and disconnect the power cord from the AC power supply to properly disable the UPS.

CAUTION! Do not attach a power strip or surge suppressor to the UPS.

CAUTION! Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

INSTALLING YOUR UPS SYSTEM

UNPACKING

The box should contain the following:

(1)UPS Unit×1; (2)User Manual×1;

HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

1. Ensure that the equipment plugged into the battery power-supplied outlets does not exceed the UPS unit's rated capacity. If rated unit capacities are exceeded, an overload condition may occur and cause the UPS unit to shut down or the fuse blow.
2. There are many factors that can affect the amount of power that your computer system will require. For optimal system performance keep the load below 80% of the unit's rated capacity.

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 8 hours is recommended to ensure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet. The unit will charge in both the on and off position.
2. With the UPS unit off and unplugged, connect the computer, monitor, and any externally powered data storage device.
3. Plug the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands.
4. Depress the power switch to turn the unit on. The LCD indicator light will illuminate and the unit will "beep".
5. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
6. To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

ROUTINE MAINTENANCE AND STORAGE

ROUTINE MAINTENANCE

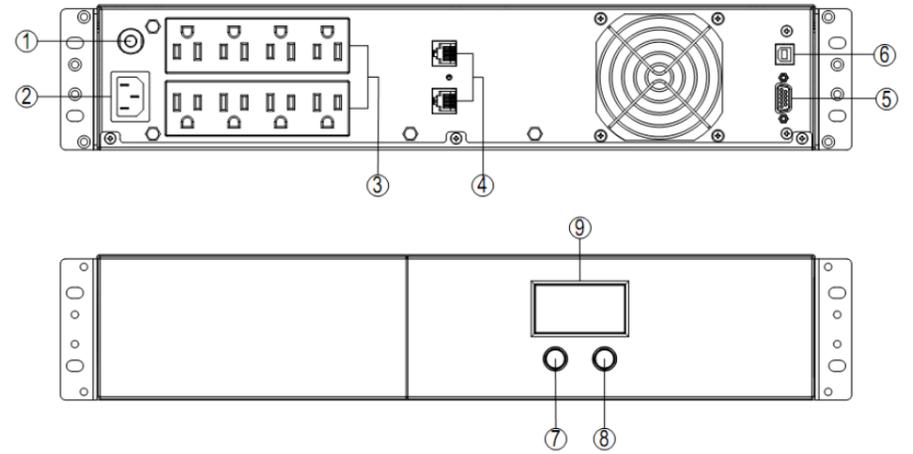
1. Use dry soft clothes to clean the front panel and plastic parts. Do not use any detergent that contains alcoholic ingredient.
2. The expected lifetime of the battery is around 3 years. Improper operation and harsh environment will reduce the actual lifetime.
3. Unplug the UPS from power inlet if the UPS will not operate for long period of time.

STORAGE

1. First turn off your UPS and disconnect its power cord from the wall outlet. Disconnect all cables connected the UPS to avoid battery drain.
2. The UPS should be stored in a cool dry location.
3. Make sure the battery is fully charged before the UPS is stored.
4. For extended storage in moderate climates, the battery should be charged for 12 hours every 3 months by plugging the power cord into the wall receptacle and turning on the main switch. Repeat it every 2 months in high temperature locations.

BASIC OPERATION

FRONT AND TOP PANEL DESCRIPTION



1. Input Circuit Breaker

The circuit breaker provides optimal overload protection.

2. AC Inlet

Connect to utility power through the input power cord. (IEC320 C14 for 1000, IEC 320 C20 for 2000)

3. AC outlet

The UPS provides outlets for connected equipment to insure temporary uninterrupted operation during a power failure and against surges and spikes.

4. Communication Protection Ports(RJ45&RJ11)

Communication protection ports will protect any standard modem, fax, telephone line, or network cable..

5. RS232 Port

This port allows connection and communication from the RS232 port on the computer to the UPS unit.

6. USB Port

This port allows connection and communication from the USB port on the computer to the UPS unit.

7. Power On/Off Button

Press the power Button to turn the UPS ON or OFF.

8. Mute Button

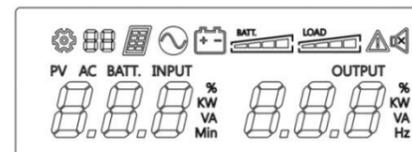
The audible alarm can be turned off/on by pressing this button 3s.

9. LCD Display

The LCD will display the UPS status.

DEFINITIONS FOR ILLUMINATED LCD INDICATORS

LCD Indicators



	PV AC BATT. INPUT % KW VA Min	OUTPUT % KW VA Hz
Initial	AC INPUT(Voltage) V	OUTPUT(Voltage) V

	Line mode
	Bat-mode
	Battery capacity
	Load capacity
	Fault
	Sound disable (Press the mute key 3s to disable and enable the buzzer sound)

TECHNICAL SPECIFICATIONS

Model	JPX1000RM	JPX2000RM
Capacity (VA)	1000VA	1920VA
Capacity (Watts)	600W	1200W
Input		
Input Voltage Range	82V~148V	
Frequency	50/60Hz auto sensing	
Output		
On Battery Output Voltage	Pure Sine Wave at 120Vac +/-10%	
On Battery Output Frequency	50/60 Hz +/-1%	
Overload Protection	Yes	
AVR Function		
Boost Function	Yes	
Buck Function	Yes	
Physical		
Total # of UPS Receptacles	Nema 5-15R *8	
Maximum Dimensions (H x D x W)	88mm x 400mm x 433mm	
Battery		
Sealed Maintenance Free Lead Acid Battery	24Vdc	
Typical Recharge Time	8 Hours	
Warning Diagnostics		
Indicators	LCD	
Communication		
Communication port	USB,RS232	
Environmental		
Operating Temperature	32°F to 122°F (0°C to 40°C)	
Operating Relative Humidity	0 to 90% NON-CONDENSING	
Management		
Auto-Charger	Yes	
Auto-Restart	Yes	

TROUBLE SHOOTING

Problem	Possible Causes	Remedy
Abnormal		
Mains normal but not works in AC mode	1. AC Input missing	1. Check AC input connection.
	2. Input Breaker is tripped	2. Unplug the power cord of the UPS then press the circuit breaker knob.
The UPS will not turn on.	The on/off Button is designed to prevent damage by rapidly turning it off and on.	Turn the UPS off. Wait 10 seconds and then turn the UPS on.
	The unit is not connected to an AC outlet.	The unit must be connected to a 100-127V 50/60Hz outlet.
	The battery is worn out.	Contact technical support.
	Mechanical problem.	
Outlets do not provide power to equipment	Circuit breaker is tripped due to overload	Turn the UPS off and unplug at least one piece connected equipment. Unplug the power cord of the UPS then press the circuit breaker knob.
	Batteries are discharged	Allow the unit to recharge for at least 4 hours.
	Unit has been damaged by a surge or spike.	Contact technical support.
Alarm code A01	Site Fail: Line and neutral conductors of UPS Input are reversed or the Ground is disconnected.	Check the input plug and socket.
Alarm code A06	Battery low: Battery capacity is low, UPS will turn off soon	1. Shut off non-essential equipment. 2. Save your data and turn off the computer.
Alarm code A14	Overload: Your equipment requires more power than the UPS can provide.	1. Shut off non-essential equipment.
Alarm code A18	Over Temperature	1. Shut off non-essential equipment. 2. Check the fan for operation and if the ventilation hole has been covered.

Fault

Fault code F09	Output Short : Output circuit short.	1. Shut down the UPS 2. Your attached equipment may have problems, please remove them and check again.
Fault code F14	Overload: Your equipment requires more power than the UPS can provide. It will shutdown.	Shut off non-essential equipment. If this solves the overload problem, the UPS will transfer to normal operation.
Fault code F18	Fan fail : Fan has been damaged.	1.Shut down the UPS 2.Replace the fan
Fault code F19	Over Temperature	1. Shut down the UPS. Restart the UPS to Check the fan for operation and if the ventilation hole has been covered 2. Contact technical support for repair.

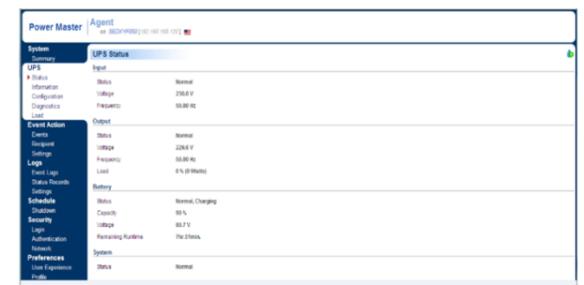
SOFTWARE DOWNLOAD

Power Master management software provides a user-friendly interface for your power systems. The graphic user-interface is intuitive and displays essential power information at a glance. Please follow procedure below to install the software.

Installation procedure:

1. Download Power Master from the website:
<http://www.powermonitor.software/>
2. Double-click the file and follow the installation steps.

When your computer restarts, the Power Master software will appear as a blue icon located in the system tray.



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