

6. Trouble Shooting

Use the table below to solve minor problems.

Problem	Possible Cause	Solutions
No LED display on the front panel.	Low battery.	Charge the UPS at least 6 hours.
	Battery fault.	Replace the battery with the same type of battery.
	The UPS is not turned on.	Press the power switch again to turn on the UPS.
Alarm continuously sounds when the mains is normal.	The UPS is overload.	Remove some loads first. Before reconnecting equipment, please verify that the load matches the UPS capability specified in the specs.
When power fails, back-up time is shorten.	The UPS is overload.	Remove some critical load.
	Battery voltage is too low.	Charge the UPS at least 6 hours.
	Battery defect. It might be due to high temperature operation environment, or improper operation to battery.	Replace the battery with the same type of battery.
The mains is normal Bu the unit is on battery mode.	Power cord is loose.	Reconnect the power cord properly.

7 Specifications

Model	3000
CAPACITY	3000VA/1800W
INPUT	
Voltage	220/230/240 VAC
Voltage Range	162-290 VAC
OUTPUT	
Voltage Regulation	+/-10%
Transfer Time	Typical 2-6 ms, 10 ms max.
Waveform	Simulated Sine Wave
BATTERY	
Type & Number	12 V/9 Ah x 4
Charging Time	6 hours recover to 90% capacity
PHYSICAL	
Dimension (DxWxH)	495x150x250 mm
Net Weight (kgs)	24.8
ENVIRONMENT	
Humidity	0-90 % RH @ 0-40° C (non-condensing)
Noise Level	Less than 45 dB
MANAGEMENT	
USB	Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC

Line Interactive UPS

Quick Guide V. 1.2

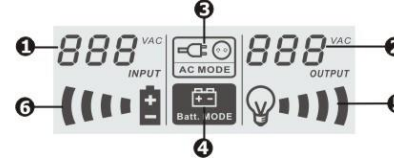
1. Package Contents

You should have received the following items inside of package:

- UPS Unit
- Quick Guide
- Communication cable
- Power cable

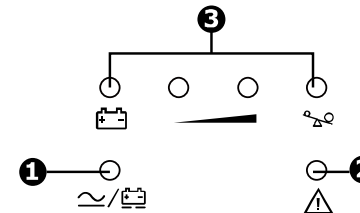
2. Product Overview

UPS with LCD panel:



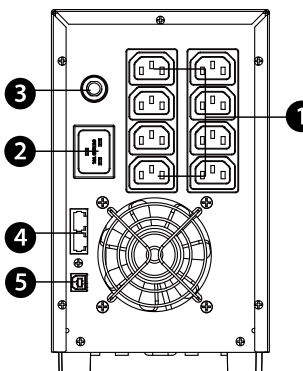
- ① Input voltage
- ② Output voltage
- ③ AC mode indicator
- ④ Battery mode indicator
- ⑤ Load level indicator, flashing indicates overload
- ⑥ Battery capacity indicator, flashing indicates low battery

UPS with LED indicators:



- ① UPS status LED
 - AC Mode: green lighting
 - Batt. Mode: green flashing
- ② Fault LED: red lighting
- ③ AC Mode: indicating load level
 - Batt. Mode: indicating battery capacity

Back View:



- ① Output receptacles
- ② AC input
- ③ Circuit breaker
- ④ Modem/Phone/Network surge protection
- ⑤ USB com. port

3. Installation and Initial Startup

NOTE: Before installation, please inspect the unit. Be sure that nothing inside the package is damaged.

Placement & Storage Conditions

Install the UPS in a protected area that is free of excessive dust and has adequate air flow. Please place the UPS away from other units at least 20 cm to avoid interference. Do NOT operate the UPS where the temperature and humidity is outside the specific limits. (Please check the specs for the limitations.)



Connect to Utility and Charging

Plug in the AC input cord to the wall outlet. For the best results, suggest to charge the battery at least 6 hours before initial use. The unit charges its battery while connecting to the utility.

Connect the Loads

Plug in the loads to output receptacles on the rear panel of the UPS. Simply turn on the power switch of UPS unit, then devices connected to the UPS will be protected by UPS unit.



6 hours

Connect Modem/Phone/Network for Surge Protection Connect a single modem/phone line into surge-protected "IN" outlet on the back panel of the UPS unit. Connect from "OUT" outlet to the computer with phone line cable.

Connect Communication Cable (Only for the model with USB/RS-232 port)

To allow for unattended UPS shutdown/start-up and status monitoring, connect the communication cable one end to the USB/RS-232 port and the other to the communication port of your PC. With the monitoring software installed, you can schedule UPS shutdown/start-up and monitor UPS status through PC.

Turn On/Off the Unit

Turn on the UPS unit by pressing the power switch. Turn off the UPS unit by pressing again the power switch.

4. Important Safety Warning (SAVE THESE INSTRUCTIONS)

Please comply with all warnings and operating instructions in this manual strictly. Save this manual properly and read carefully the following instructions before installing the unit. Do not operate this unit before reading through all safety information and operating instructions carefully.

CAUTION! Please transport the UPS only in the original package to protect against shock and impact.

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! Condensation may occur if the UPS system is moved directly from cold to warm environment. The UPS must be absolutely dry before being installed.

CAUTION! Place cables in such a way that no one can step on or trip over them.

CAUTION! The mains socket outlet that supplies the UPS shall be installed near the UPS and shall be easily accessible. The UPS power cord must be connected to an earthed mains socket outlet for safety reasons.

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! If the UPS is with metal chassis, for safety purpose, grounding is a must during UPS installation in order to reduce leakage current below 3.5mA.

Attention hazardous through electric shock. Also with disconnection of this unit from the mains, hazardous voltage still may be accessible through supply from battery. The battery supply should be therefore disconnected in the plus and minus pole at the quick connectors of the battery when maintenance or service work inside the UPS is necessary.

CAUTION! Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.

CAUTION! When replacing the batteries, use the same number and type of batteries.

CAUTION! Avoid touching eyes while working near batteries.

CAUTION! Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.

CAUTION! Do not disassemble the unit before contact with the qualified service center when service or repair is required.

CAUTION! To reduce risk of injury, only use qualified batteries from qualified distributors or manufacturers. Any unqualified batteries may cause damage and injury. Do NOT use old or overdue batteries. Please check the battery type and date code before installation to avoid damage and injury.

CAUTION! Internal battery voltage is 12VDC. Sealed, lead-acid, 6-cell battery.

CAUTION! Do not dispose of batteries in a fire. The battery may explode. Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes.

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

CAUTION! A battery can present a risk of electric shock and high short circuit current. The following precaution should be observed before replacing batteries:

- 1) Remove watches, rings, or other metal objects.
- 2) Use tools with insulated handles.
- 3) Wear rubber gloves and boots.
- 4) Do not lay tools or metal parts on top of batteries.
- 5) Disconnect charging source prior to connecting or disconnecting batteries terminal.

WARNING: This is a category C2 UPS product. In a residential environment, this product may cause radio interference, in which case the user may be required to take additional measures.

5. Software Download & Installation

Please follow steps below to download and install monitoring software:

1. Go to the website <http://www.power-software-download.com>
2. Click ViewPower software icon and then choose your required OS to download the software.
3. Follow the on-screen instructions to install the software.
4. When your computer restarts, the monitoring software will appear as an orange plug icon located in the system tray, near the clock.