



## 1 Introduction

### 1. Safety Instruction

Caution:

- The UPS contains voltages which are potentially hazardous. All repairs should be performed by qualified service personnel.
- The UPS has its own internal energy source (battery). The output receptacles may be live even when the UPS is not connected to an AC supply.

For safe and continuous operation of the UPS depends partially on the care taken by user. Please observe the following precautions.

- Do not disassemble the UPS.
- Do not attempt to power the UPS from any receptacle except a 2-pole 3-wire grounding receptacle.
- Do not place the UPS near water or in environment of excessive humidity.
- Do not allow liquid or any foreign object to get inside the UPS.
- Do not plug appliances, such as hair dryers, into the UPS receptacles.
- Do not place the UPS under direct sunshine or close to heat-emitting source.
- The power socket should be installed near the equipment and be easily accessible. To isolate from AC input, disconnect the plug into the power cord.
- The printer may best be connected directly to wall receptacle instead of UPS.
- The battery will discharge naturally. If it is charged periodically, its life time will be prolonged. It will damage if long-term no use, which won't be covered in our warranty.

### 2. System Description

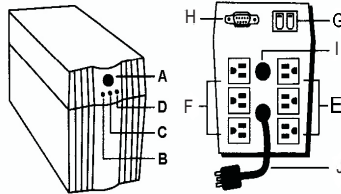
The UPS equipped with Boost-up and Back-down Features Accepts wide range input windows without using batteries. It is your best choice for LAN and PC. Built-in RJ11 jacks protect your modem/fax line thoroughly.

To enable user to start on the UPS without Utility Power. It is also equipped with "cold start function".

### 3. Panel's Explanation

- (A) Power Switch
- (B) LED (AC Normal)
- (C) LED (Inverter mode)
- (D) LED (Battery Low)
- (E) Backup Outlet

- (F) Surge Outlet
- (G) RJ-11 Jack
- (H) DB9 or USB
- (I) Circuit Breaker
- (J) Inlet Power Cord



## 2 Installation and Operation

### 1. Unpacking and Inspection

Examine the packing carton for damage. Notify the carrier immediately if any damage occurs. Retain the packing for future use.

### 2. Installation

1. Connect the power cord to a verified grounded 3-wire receptacle.
2. Charge the batteries for 10 hours before use. The UPS will recharge the batteries automatically whenever its power cord is plugged in to a wall outlet. You may use the UPS immediately without recharging, but the backup time may be less than the rating.
3. Connect the power cord of your computer equipment to the backup outlets of the UPS. Switch on the computer equipment.  
Caution: Do not plug laser printers into the backup outlets because they may draw too much power.
4. Switch on the UPS by pressing the main switch. The "line" LED will light on. The UPS is not considered to be working properly.
5. To test backup function, you may disconnect the power cord of the UPS. The "line" LED of the UPS will light intermittently and the alarm will beep every 4 seconds.

### 3. Storage Instructions

For extended storage in moderated climates, the batteries should be charged for 12 hours every 3 months by plugging the power cord into the wall receptacle. Repeat it every 2 months in high temperature locations.

## 3 Troubleshooting

The Troubleshooting chart covers most of the difficulties that you may encounter under normal working condition. Should the UPS fail to operate properly, please proceed the following before calling for service.

1. Is the UPS plugged into an incorrect wall receptacle?
2. Is AC input voltage out of windows?

When calling for service, please offer the following information:

1. Model No. Serial No
2. Date of problem occur
3. Full description of the problem occur, including condition happened, environment installed, devices connected to the UPS, etc.

Problem	Possible Cause	Troubleshooting
No Light, no alarm	1. AC fuse blown. 2. Power cord in loose. 3. Main Switch is not "on".	1. Replace AC fuse with same rating. 2. Connect AC power cord to wall receptacle properly. 3. Turn on main Switch.
"Fault" LED Light up and alarm beeps continuously	UPS is out of order	Call for service
Less Backup time	1. Battery is not fully charged. 2. Battery is out of order. 3. Charger is defective.	Please recharge the battery for at least 6 hours. Should problem remain, call for service.