**UNPACKING**

Inspect the UPS upon receipt. The box should contain the following.

1. AUTOMATIC VOLTAGE REGULATOR (AVR) (PR1000LCDRTXL2Ua/PR1500LCDRTXL2U/PR2200LCDRTXL2U)
   - Features 2060 Joules of surge protection, and provides battery backup during power outages.

2. Cable (gray);
4. User’s Manual for UPS;
5. Rack mount Brackets (2);
6. Stands (2);
7. Skids (2);
8. Telephone Cable (black);

**CAUTION!**

- Do not use with or near aquariums. Condensation on the covers can result in contact with metal electrical contacts and cause the machine to short out.
- Do not use with or near medical equipment.
- Do not use near any occupied areas.

**OVERVIEW**

**The PR1000LCDRTXL2Ua/PR1500LCDRTXL2U/PR2200LCDRTXL2U**

- Can run the most demanding computer applications.
- Provides pure sine wave output at up to 1000VA/600W (PR1000LCDRTXL2Ua), 1500VA/900W (PR1500LCDRTXL2U), or 2200VA/1320W (PR2200LCDRTXL2U).
- Is continually measuring input voltage and input frequency to ensure the connected equipment is running under the best conditions.
- Conserves energy by automatically adjusting power factor to be as close as possible to 1.00.
- Has an integrated circuit breaker that serves to provide input overload and fault protection.
- Provides battery backup, automatic power conditioning, and protects against voltage surges.
- Features a 2060 Joules of surge protection.
- Ensures clean, consistent sinewave power.

**System Block Diagram**

- Power Switch
- Fault icon
- Load Capacity
- Battery icon
- Power Panel
- Output
- Input
- AVR
- Normal Mode
- Battery Mode
- Meter
- AVR
- Inverter

**Hardware Installation Guide**

1. Battery charge loss may occur during shipping and storage. For the first time the UPS is used, it's strongly recommended to charge batteries for at least eight hours.

2. When you install the UPS, you should first connect the UPS's input to the AC power source. This is the easiest way to ensure that the load will be protected.

3. If the UPS is properly installed, it will automatically switch to battery power in the event of a power outage. If the UPS is not properly installed, it will not switch to battery power.

4. Wear rubber gloves and boots.

5. Do not open or mutilate the batteries. Released electrolyte is harmful to the skin and eyes and may be toxic.

6. To reduce the risk of fire, do not remove the cover, except to service the battery.

**BatterY REPLACEMENT PROCEDURE:**

1. Remove the six retaining screws, and remove the front panel.
2. Remove the two retaining screws of the cable protection cover then remove the cover.
3. Unplug the unit and Power Down your computer when replacing the battery.
4. Disconnect the black and red cable.
5. Remove the three retaining screws.
6. Pull out the old battery pack and replace. Reassemble the retaining screws, cover, black and red cable, and front panel in the reverse sequence of the above steps.

**Battery Replacement**

- **Contact your dealer, or email tech@cyberpower.com.** Refer to replacement battery pack number EUP01500LCDRTXL1Uwards.

- **For model PR1000LCDRTXL2Ua, PR1000LCDRTXL2U, PR2200LCDRTXL2U, PR2200LCDRTXL2U®,** can only get UPS status from the behind the UPS.

- **INPUT voltage meter:** This meter measures the AC voltage from the wall outlet. The INPUT voltage reading is used to identify input voltage information. This can be used as a diagnostic tool to identify poor quality input voltage conditions. When the UPS is operating in Battery mode, the meter will display a status of the UPS and the connected computer.

- **OUTPUT voltage meter:** The Output Voltage measurement is a real-time AC voltage measurement of the UPS. The如何看待 the AC voltage the UPS is providing to your computer and peripherals.

- **ESTIMATE RUN TIME:** The Estimated Runtime display shows how many minutes of runtime can be expected of the UPS if it were to experience a power outage. When runtime becomes short, the battery capacity will decrease. Battery capacity is also a function of the load being run. The number displayed is based on load and runtime, but not on the actual load. This number may be less than actual runtime for low load. Battery life will decrease as the runtime is increased.

- **Battery Status:** When the UPS is operating under normal conditions.

- **Battery Life:** When there is a severe brownout or blackout, this icon will appear followed by an alarm, indicating that the battery capacity is being reduced. The battery status will not be reduced to zero even if it is not used. The battery life will be decreased at approximately 20% per year.

- **BatterY Capacity:** This meter displays the approximate power output (as a percentage of the UPS's battery capacity).
TROUBLESHOOTING

Problem Possible Cause Solution

Power Failure

The UPS does not perform expected function

The UPS will not turn on

The cable is connected to the wrong port

Try another port of your computer

The cable is not the correct cable or it was installed incorrectly.

You must use the cable that came with the unit.

The serial cable or USB cable is not connected.

Connect the cable to the UPS unit. You must use the cable that came with the unit.

The UPS is not receiving input power.

The serial cable is not the correct cable or it was installed incorrectly.

You must use the cable included with the software.

Additional troubleshooting information can be found at: www.cyberpowersystems.com/support/faq

GIVE US A CALL, OR EMAIL US AT

tech@cpsww.com

1-877-297-6937

www.cyberpowersystems.com/support.htm

L1 115V ±10%
L2 115V ±10%
L3 115V ±10%

AC outlet. The unit must be connected to a 110/120v outlet.

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 110/120v outlet.

Mechanical problem

Contact CyberPower Systems at cr@cyberpowersystems.com

Poor Power Quality

The UPS will not turn on

The serial cable is not the correct cable or it was installed incorrectly.

You must use the cable included with the software.

The cable is connected to the wrong port

Try another port of your computer

The unit is not providing backup power as expected.

Shut down your computer and turn the UPS off. Wait 10 seconds and then turn the UPS back on. This should clear the unit.

FCC Notice

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. WARNING! This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Shielded signal cables must be used with this product to ensure compliance with the Class B FCC limits.