CAUTION! The battery can energize hazardous electrical equipment. To reduce the risk of fire or electric shock, install it only in a circuit protected by a 20 ampere maximum branch circuit overcurrent protective device. The battery may be Energized if such groundings are removed during installation and maintenance application to UPS and a remote battery source (if available) grounding circuit.

BATTERY REPLACEMENT:

1. Turn off all equipment connected to the UPS. Unplug the UPS from the AC outlet and disconnect the battery cables. Remove the battery from the UPS.
2. Replace the old battery with a new one of the same type and capacity.
3. Reconnect the battery cables and plug the UPS back into the AC outlet.
4. Turn on all equipment connected to the UPS.

BATTERY REPLACEMENT PROCEDURE:

1. Turn off all equipment connected to the UPS. Unplug the UPS from the AC outlet and disconnect the battery cables.
2. Replace the old battery with a new one of the same type and capacity.
3. Reconnect the battery cables and plug the UPS back into the AC outlet.
4. Turn on all equipment connected to the UPS.

LCD STATUS DEFINITION

The LCD display indicates a variety of UPS operating conditions. When the UPS is plugged into an AC power source, the LCD displays the status of the UPS.

INPUT voltage meter: This meter measures the AC voltage that the UPS system is receiving from the utility grid. The INPUT voltage meter can be used as a diagnostic tool to identify potential problems with the AC power source. The voltage in this UPS continuously monitors the AC voltage in utility lines at 115V/230V. An output voltage out of specification will be indicated.

OUTPUT voltage meter: This meter measures the AC voltage that the UPS system is providing to the computer, such as normal line mode, AVR mode and backup battery mode. The UPS can be used in a wide range of applications. It is recommended that this status be reviewed during the course of normal operation.

ESTIMATE RUN TIME: This display shows the time the UPS will run with the current battery capacity.

NORMAL load: This icon appears when the UPS is working under normal conditions. The battery power will last for about 10 minutes when the UPS is plugged into an AC power source. The icon is displayed if the UPS is plugged into an AC power source and the battery is not connected.

FAULT: This icon appears when there is a problem with the UPS. The UPS will be in a fault condition and the battery power will last for about 10 minutes. The icon is displayed if the UPS is plugged into an AC power source and the battery is not connected.

OVER LOAD: This icon appears and an alarm sound is heard whenever the UPS load exceeds the maximum allowed ampere rating. The icon is displayed if the UPS is plugged into an AC power source and the battery is not connected.

BATTERY CAPACITY: This meter displays the approximate charge level (as a percentage) of the UPS's battery pack.

LOAD CAPACITY: This meter displays the approximate load capacity (as a percentage) of the UPS's battery pack.
5. General Model:
   a. Press the "Display" button to check the status of the UPS.
   b. Press and hold the "Display" button for 4 seconds.
   c. If the machine is in the Battery mode, it enters the "Ready" state.

2. Set-Up Mode
   Step 1: The machine enters Set-Up mode after holding the "Display" button for 10 seconds. Input 1, 3, 4, 5, 6, 7, 9 to select a function.
   Step 2: By pressing the Display button, users can switch between setup functions. User configuration options are as follows:
      a. Sensitivity: Set the level of overvoltage for UPS. Increase the UPS's sensitivity for local utility power condition. HP: High. The UPS will turn off power more quickly to avoid the possibility of damage to equipment.
      b. Battery Charge Setting: This setting provides the expected runtime under various usage conditions. The default setting is 80%.
      c. Battery Level Setting: Show the battery level number.

Note: After the machine is left idle for over 30 seconds during setup, it will turn off the backlight and return to general mode automatically.

Note: If you want to return to general mode without saving changes, there are two methods:
  1. Wait for the backlight to turn off.
  2. Press and hold the "Display" button for 10 seconds.

The UPS does not perform expected function:
   a. The machine is not connected to AC power.
   b. The battery is not charged or the display is not working.

Troubleshooting:
   a. Cut off the switch to prevent damage by depressuring and charging the battery. Push the button to make the switch. Observe the battery status.
   b. The UPS will not turn on:
      i. The machine is not connected to AC power.
      ii. The UPS has already been turned off by performing the button operation.
      iii. The machine is in the battery mode.
   c. The machine will not turn off:
      i. The machine is not configured correctly.
      ii. The machine is not connected to AC power.

Technical Specifications:
   - Model: PR1000LCDRTXL2U, PR1500LCDRTXL2U, PR2200LCDRTXL2U
   - Capacity (VA): 1000VA/ 1500VA/ 2200VA
   - Frequency Range: 50/60Hz (-2%)
   - Battery Charge Setting: 80%
   - Battery Level Setting: 100%

Limited Warranty and Connected Equipment Guarantee:
   - This warranty covers components of any connected equipment that are directly damaged by the UPS's failure. The warranty covers the replacement of any connected equipment, in addition to the repair cost for the damaged equipment.
   - All claims must be made within 30 days of the occurrence.
   - CyberPower Systems encourages environmentally sound methods for disposal and recycling of equipment. A recycling guide and other information can be found at www.cyberpowersystems.com/support.htm.