**BATTERY REPLACEMENT**

Read and follow the IMPORTANT SAFETY INSTRUCTIONS before servicing the batteries:

- Replacement of batteries located in an OPERATOR ACCESS AREA. Contact your dealer or call the number on this manual for more information on battery replacement.

**CAUTION:** Risk of Explosion. Dispose of used batteries according to local regulations.

**CAUTION:** When replacing batteries, replace with the same number of the following battery:
- CyberPower / RB12100X20B for the PR1000LCD, CyberPower / RB12150X20B for the PR1500LCD. Contact CyberPower Systems about replacement batteries.

**CAUTION:** Risk of Energy Hazard. 12V, maximum 20 Amps-hour batteries. Before replacing batteries, remove conductive jewelry such as chains, wrist watches, and rings. High energy conducted through these materials could cause severe burns.

**CAUTION:** Do not dispose of batteries in a fire. The batteries may explode.

**CAUTION:** Do not open or mutilate batteries. Released material is harmful to the skin and eyes. It may be toxic.

### BATTERY REPLACEMENT PROCEDURE

1. **Step 1.** Remove the rear panel of the UPS.

2. **Step 2.** Remove two screws from the battery compartment cover.

3. **Step 3.** Slide the cover completely off the unit.

4. **Step 4.** Insert the new battery pack. Assemble the screws, cables, battery compartment cover and front panel in the reverse sequence of above steps. Recharge the unit for 16 hours to ensure the UPS performs expected runtime.

**REMEMBER:** The used batteries are considered hazardous waste and must be disposed through recycling. Most retailers that sell lead-acid batteries collect used batteries for recycling, as required by the local regulations.

### DEFINITIONS FOR ILLUMINATED LCD INDICATORS

**KayonX**

1. **Status Menu/Select**
   - **Operation Mode**
   - **Load Energy**
   - **Last Self Test**
   - **Last VA**
   - **NCL Output**

2. **Menu/Select**
   - **Setup Wizard**
   - **Sensitivity**
   - **Back to Default**
   - **Delay On**
   - **Delay Off**
   - **Auto Self Test**
   - **Reboot Duration**
   - **Minimum Runtime Capacity**

3. **LCD Module**
   - **Battery Charge**
   - **BPM**
   - **Reserve Runtime**
   - **Uptime on Battery**
   - **Reserved Run Time**
   - **Configure NCL**

4. **Control Menu/Select**
   - **UPS On/Off**
   - **NCL On/Off**
   - **Delay on/Off**
   - **Last Battery Change**
   - **Lamp Test**

5. **Menu/Select**
   - **Transfer Event X1-X10**
   - **Event Filter P1-P10**
   - **UPS Firmware Version**
   - **Serial Number**

For more information about functions setup, please refer to the Function Setup Guide.
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 to radio or television reception, which can be determined by turning the equipment off and on; and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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 instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SAFETY COMPLIANCE STATEMENT

FCC COMPLIANCE STATEMENT

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

Note: 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 instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADIAN COMPLIANCE STATEMENT

CAN ICES-3 (B)/NMB-3(b)

TROUBLESHOOTING

Problem Possible Cause Solution

Circuit breaker is tripped by the unit. Turn off the UPS and replace the circuit breaker. Refer to the UPS manual for instructions.

Circuit breaker has tripped due to an overload caused by too many devices connected to it. Turn off the UPS and replace the circuit breaker.

The UPS does not respond to the circuit breaker tripping. The circuit breaker has tripped due to an overload. Turn off the UPS and replace the circuit breaker.

The UPS power is not available. The circuit breaker has tripped due to an overload. Turn off the UPS and replace the circuit breaker.

The UPS will not work. The circuit breaker has tripped due to an overload. Turn off the UPS and replace the circuit breaker.

The UPS will not turn on. The circuit breaker has tripped due to an overload. Turn off the UPS and replace the circuit breaker.

PowerPanel® Business Edition is inactive. The circuit breaker has tripped due to an overload. Turn off the UPS and replace the circuit breaker.

The Fault LED is illuminated. The circuit breaker has tripped due to an overload. Turn off the UPS and replace the circuit breaker.

TECHNICAL SPECIFICATIONS

MODEL PR1000LCD PR1500LCD
Capacity (VA) 1000 1500
Capacity (Watts) 875 1200
Input Input Voltage Range 117Vac – 144Vac
Input Frequency Range 50/60Hz ± 3Hz
Input Plug Type NEMA 5-15P
Output Output Voltage 120Vac ± 5%
Output Receptacles (8) NEMA 5-15R
On Battery Voltage 120Vac ± 5%
On Battery Frequency 50/60Hz ± 0.5Hz
Transfer Time (max) 4ms
Load Rating Internal Current Limiting
Overload Remove excessive load and restart the UPS
Overload Short Contact CyberPower Systems.
Battery On Battery PowerOn, Online, On Battery, Fault, Replace Battery
Audible Alarms On Battery, Battery Low, Overload, UPS Fault, Replace Battery
Indicators LCD Display, LED Indicators (Power On, Online, On Battery, Fault, Replace Battery)
Audible Alarm On Battery, Battery Low, Overload, UPS Fault, Replace Battery
SOFTWARE PROTECTION AND FILTERING

Lightning / Surge Protection Yes Yes
Battery Rechargeable Battery Pack Included Included
Sealed Maintenance Free Yes Yes
Surge Protection 3 hours (e.g. during storms) 4 hours (e.g. during storms)
WARNING DIAGNOSTICS

Indicators LCD Display, LCD Indicators (Power On, Online, On Battery, Fault, Replace Battery)
Audible Alarm On Battery, Battery Low, Overload, UPS Fault, Replace Battery
ENVIROMENTAL

Operating Temperature 32°F to 104°F (0°C to 40°C)
Operating Relative Humidity 0% to 95% Non-condensing
Storage Temperature 5°F to 113°F (-15°C to 45°C)
Storage Relative Humidity 0% to 95% Non-condensing
MANAGEMENT

Input PowerConnectivity Ports (1) USB Port, (1) Serial Port
SNMP/IP Telnet Management Yes, with optional PAPE/TCP/IEEE
Software PowerPanel® Business Edition
PHYSICAL

Dimensions (Width x Height x Depth) 6.7 x 8.7 x 17.0 / 220 x 430 (mm)
Weight 43 lbs / 19.6 kg 54 lbs / 24.5 kg
SAFETY

Safety Compliance Approvals UL1778, cUL, FCC Class B