INTRODUCTION

This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries.

CAUTION: To reduce the risk of fire or electrical shock, do not remove the cover or service the battery except by the service technician. Turn off and unplug the unit before servicing the batteries. There are live parts inside except for the battery.

CAUTION: To reduce the risk of fire or electrical shock, do not connect or disconnect any device while the unit is plugged into an electrical outlet.

DO NOT USE WITH OR NEAR AQUARIUMS!

To reduce the risk of fire or electrical shock, do not use near a saltwater aquarium. Condensation from the aquarium can cause the unit to short out.

DO NOT USE THE UPS ON ANY TRANSPORTATION!

The warranty prohibits the use of extension cords, outlet strips, and surge strips.

DO NOT DISCONNECT WHILE IN USE!

The unit provides long lasting battery backup during power outages with maintenance free batteries.

The battery outlets not exceed 80% of the unit’s capacity.

The CP850/1000AVRLCD provides complete power protection from utility power that is not always consistent.

The CP1350/1500AVRLCD provides complete power protection from utility power that is not always consistent.

CAUTION: Risk of Energy Hazard, 12 V, maximum 9 Ampere-hour battery for CP850/1000AVRLCD; 24 V, maximum 9 Ampere-hour battery for CP1350/1500AVRLCD. Before replacing battery, remove conductive jewelry such as chains, wrist watches, and rings. High energy conducted through these materials could cause serious burns.

CAUTION: Do not use batteries in a fire. The batteries may explode.

CAUTION: Asthmatics can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:

1. Remove watches, rings, or other metallic objects.
2. Use tools with insulated handles.

IMPORTANT SAFETY INSTRUCTIONS

(SAVE THESE INSTRUCTIONS)

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CAUTION: Risk of Explosion if Battery is Replaced by an Incorrect Type. Do not use battery packs that have been damaged or dropped.

BATTERY REPLACEMENT PROCEDURE

1. Turn off and unplug all connected equipment.
2. Turn the UPS off and unplug it from the AC power source.
3. Turn the UPS on the side.
4. Remove the front panel retaining screws located on the bottom of the UPS.
5. Slide the battery compartment cover (front panel) completely off of the unit.
6. Disconnect the battery wires from the batteries.
7. Remove the battery from the compartment.
8. CP850/1000AVRLCD: Install the replacement batteries by connecting the red wire (+) and black wire (-) to the same color connectors.
9. CP1350/1500AVRLCD: Install the replacement batteries by connecting the red wire (+) and black wire (-) to the same color connectors.
10. Replace the battery compartment cover.
11. Install the UPS back into the compartment.
12. Install the screws that secure the front panel.
13. Put the UPS back into service.

BATTERY INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, after receiving a new UPS, follow the battery charge procedure to ensure the battery’s maximum charge capacity.
2. Before connecting the UPS to the AC power, make sure that the UPS has been charged for a minimum of 24 hours.
3. Connect the UPS to the AC power source.
4. Connect the load to the UPS.
5. The UPS should now be ready for use.

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REMOVAL OF BATTERY PACK(S)

1. Turn off and unplug all connected equipment.
2. Turn the UPS off and unplug it from the AC power source.
3. Turn the UPS on the side.
4. Power On indicator light will illuminate and the unit will “beep”.

REMINDER: Batteries are considered HAZARDOUS WASTE and must be disposed of properly. Most retailers that sell lead-acid batteries collect used batteries for recycling, as required by local regulations.

BASIC OPERATION

1. Power Switch
2. Power On indicator
3. LCD displays
4. Display Select button
5. Mute/Enter button
6. Battery and Surge Protected Outlets
7. Serial/USB Ports to PC
8. Communication Protection Ports
9. AC inlet
10. UPS manual
11. USB A+B type cable
12. Function Setup Guide
13. LCD module display
14. LCD screen
15. LCD backlight

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7. SILENT MODE icon:
5. BATTERY icon: 
4. NORMAL icon: 
3. ESTIMATED RUN TIME:

- Typical Battery Life: 3 to 6 years, depending on number of discharge/recharge cycles

Safety Approvals

- UPS switches to battery power, the BATTERY icon appears, and the charge level decreases. (Contact CyberPower Systems for support.)
- This icon appears whenever the UPS is in silent mode.
- This icon appears whenever your UPS is automatically correcting low AC line voltage without using battery power. This is a normal, automatic operation of your UPS, and no action is required on your part.
- This icon appears whenever the UPS is in silent mode.
- This icon appears if there is a problem with the UPS, Contact CyberPower Systems for further help and support.
- This icon appears whenever your UPS is automatically correcting low AC line voltage without using battery power. This is a normal, automatic operation of your UPS, and no action is required on your part.
- This displays the run time estimate of the UPS with current battery capacity and load.

TECHNICAL SPECIFICATIONS

- Battery Type: Lead Acid
- Battery Temperature: -20°F to 110°F (-29°C to 43°C)
- Battery Life: 3 to 6 years, depending on number of discharge/recharge cycles
- Recommended Battery: Sealed Maintenance Free Lead Acid battery
- System Fundamental Block Diagram

FCC Compliance Statement

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.

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 on and off, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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.

Canadian Certification Statement

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

Advanced Energy-Saving Patented Bypass Technology

CyberPower's patented GreenPower UPS™ with Bypass Technology reduces UPS energy costs by up to 78% compared to conventional UPS models. The patented bypass technology enables the UPS to continuously pass power through a transformer. By bypassing, the unit effectively eliminates the parasitic power consumption associated with the GreenPower UPS™, thereby lowering the total cost of ownership. As a result, the power efficiency is significantly increased while decreasing the waste heat, thus lowering energy and reducing energy costs.

When an abnormal power condition occurs, the GreenPower UPS™ automatically routes power through its internal bypass. When power returns to normal, the UPS automatically recovers and routes power back through its circuitry to the battery. This is a normal function and does not affect your equipment or the battery. For further information please feel free to contact CyberPower at Cyber Power Systems (USA), Inc. 4241 12 Ave E., STE 400, Shakopee, MN 55379; or send us an e-mail message at tech@cpsww.com. For further information please feel free to contact CyberPower at Cyber Power Systems (USA), Inc. 4241 12 Ave E., STE 400, Shakopee, MN 55379; or send us an e-mail message at tech@cpsww.com.