IMPORTANT SAFETY INSTRUCTIONS

(SAVE THESE INSTRUCTIONS)

This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to install, use, or repair an UPS.

CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of corrosive contaminants. (Please see specifications for acceptable temperature and humidity range). CAUTION! To reduce the risk of electric shock, do not remove the cover except to service the battery. Turn off and unplug the unit before servicing the battery. There are no user-serviceable parts inside except for the battery.

CAUTION! Hazardous back pressure can be generated by the battery even when the AC input power is disconnected.

The UPS must be connected to an AC power outlet with fault or circuit breaker protection. Do not plug into an outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the unit.

CAUTION! To avoid electric shock, turn off the UPS and unplug it from the AC power source before servicing the battery or installing a computer component.


CAUTION! Do not plug a laser printer, computer, or similar equipment that is sensitive to a momentary increase in ground current.

CAUTION! Risk of Energy Hazard, 12V, maximum 1 Ampere-hour battery. Before replacing batteries, remove conductive jewelry such as rings, wrist watches, and rings. High energy through conductive materials could cause severe burns.

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

CAUTION! Do not open or modify batteries. Released material is harmful to the skin and eyes. Be careful.

REPLACING THE BATTERY

Replacement of batteries located in an OPERATOR ACCESS AREA.

1. When replacing batteries, replace with the same number of the following battery: BB HBC254AH or SODIC 3-9V for 0E-825V12VRD.

2. CAUTION! Risk of Energy Hazard, 12V, maximum 1 Ampere-hour battery. Before replacing batteries, remove conductive jewelry such as rings, wrist watches, and rings. High energy through conductive materials could cause severe burns.

3. CAUTION! Do not dispose of batteries in a fire. The batteries may explode.

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- IMPORTANT SAFETY INSTRUCTIONS

1. Battery and Surge Protected Outlets
   - The UPS has battery and surge protected outlets to ensure temporary uninterrupted operation of your equipment during a power failure. (DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum cleaner, sump pump, or other large electrical device into the “Battery and Surge Protected Outlets.” The power demands of these devices will overload and possibly damage the unit.)

2. Full-Time Surge Protection Outlets
   - The UPS has six surge suppression outlets.

3. LCD module display
   - LCD display shows all the UPS information using text and images. For more information please see the “Definitions for Illustrated LCD Indicators” section.

4. Power Switch
   - To turn the UPS ON, press the power button for approximately 3 seconds - you will hear a constant tone (1 second) - and release after about a short beep.
   - To turn the UPS OFF, press the power button for approximately 3 seconds - you will hear a constant tone (1 second) - and release after two short beeps.

5. Power On Indicator
   - The LED is illuminated when the utility power is a normal and the UPS outlets are providing power, free of surges and spikes.

6. Mode Switch
   - Press the Mode Switch for approximately 3 seconds to enter setup mode to select three functions: Utility High Voltage Range, Utility Low Voltage Range, and LCD sleep ON/OFF.
   - If a function is selected, wait 8 seconds for the setting to be confirmed. After the setting has been confirmed the LCD screen will show setup mode and go back to display status.

   a. Utility High Voltage Range: Adjust the value of high voltage range.
   b. Utility Low Voltage Range: Adjust the value of low voltage range.
   c. LCD 1, LCD 2, LCD 3 (ON/OFF): “When LCD is set to ON, LCD will be always ON. When LCD is set to OFF, LCD will dim for 1 minute before entering sleep mode.”

7. USB Port
   - The USB port allows connection and communication between the USB port on the computer and the UPS unit.

8. Communication Protection Ports
   - Communication ports will protect any standard modem, fax, or telephone line.

9. Location
   - Located on the side of the UPS, the circuit breaker provides overload and fault protection.

10. Ground Screw
    - The ground screw is used for any equipment that needs a chassis ground connection.

11. Duties Designed for AC Adapters
    - The UPS unit has four widely spaced outlets. AC power adapters can be plugged into the UPS without overlapping or blocking adjacent outlets.

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3. CAUTION! Do not dispose of batteries in a fire. The batteries may explode.

4. CAUTION! Do not open or modify batteries. Released material is harmful to the skin and eyes. Be careful.

CAUTION - RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCOMPATIBLE TYPE. DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATIONS.

To REPLACE THE BATTERY

1. Turn off and unplug all connected equipment.
2. Unplug from the AC power source.
3. Turn the UPS upside down.
4. Remove the 1 retaining screw.
5. Slide the battery compartment cover completely off of the unit.
6. Remove the battery from the compartment.
7. Install the replacement battery by connecting the red wire to the positive (+) pole and the black wire to the negative (-) pole of the terminal.
8. Put the battery back into the compartment.
9. Slide back the battery compartment cover and tighten the retaining screw.
10. Charge the unit for 8 hours to fully charge the battery.

WARNING: 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.

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-Time Surge Protection Outlets stop providing power to equipment.</td>
<td>Circuit breaker has been tripped due to overload.</td>
<td>Turn the UPS off and unplugging at least one piece of equipment. Wait 10 seconds, reset the circuit breaker by pressing the button, and then turn the UPS on.</td>
</tr>
<tr>
<td>The UPS does not perform expected runtime.</td>
<td>Battery not fully charged.</td>
<td>Recharge the battery by leaving the UPS plugged in.</td>
</tr>
<tr>
<td>The UPS will not turn on.</td>
<td>Battery is worn out.</td>
<td>Contact ADI/W Box Technologies US 1-800-233-6261; Canada 877-534-7287; PR 777-720-8380</td>
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<tr>
<td>The UPS will not turn on.</td>
<td>The unit is not connected to an AC outlet.</td>
<td>The unit must be connected to a 120V-230 Volt outlet.</td>
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<td>The UPS will not turn on.</td>
<td>Mechanical problem.</td>
<td>Contact ADI/W Box Technologies US 1-800-233-6261; Canada 877-534-7287; PR 777-720-8380</td>
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<td>The frequency is outside of the operating range of 57-63Hz.</td>
<td>Contact ADI/W Box Technologies US 1-800-233-6261; Canada 877-534-7287; PR 777-720-8380</td>
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<td>The USB cable is not plugged in or open USB port on the back of the computer.</td>
<td>Check for a different USB port and plug the cable in.</td>
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<td>The unit is not providing battery power</td>
<td>Contact ADI/W Box Technologies US 1-800-233-6261; Canada 877-534-7287; PR 777-720-8380</td>
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DESCRIPTION

1. Battery and Surge Protected Outlets
   - The UPS has battery and surge protected outlets to ensure temporary uninterrupted operation of your equipment during a power failure. (DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum cleaner, sump pump, or other large electrical device into the “Battery and Surge Protected Outlets.” The power demands of these devices will overload and possibly damage the unit.)

2. Full-Time Surge Protection Outlets
   - The UPS has six surge suppression outlets.

3. LCD module display
   - LCD display shows all the UPS information using text and images. For more information please see the “Definitions for Illustrated LCD Indicators” section.

POWER NOTE

On Beeps twice every 30 seconds
- Utility Failure - The UPS is providing power to battery powered-suitable outlets from its battery

On Rapid beeping every 1/2 second
- Utility Failure - The UPS is providing battery power. Rapid beeping indicates the unit will turn off due to power saving.

LEDs INDICATORS & AUDIBLE ALARMS

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**DEFINITIONS FOR ILLUMINATED LCD INDICATORS**

**INPUT voltage meter**: This meter measures the AC voltage that the UPS is receiving in relation to the utility wall outlet. The UPS is designed to continuously supply connected equipment with stable output voltage. In the event of a complete power loss, severe Brownout, or overvoltage, the UPS relies on internal battery to supply connected 110/120 output voltage. The INPUT voltage meter can be used as a diagnostic tool to identify poor input power quality.

**OUTPUT voltage meter**: This meter measures, in real-time, the AC voltage that the UPS system is providing to the computer during normal AC utility power mode, and battery backup mode.

**ESTIMATED RUNTIME**: This displays the run time estimate of the UPS with the current battery capacity and load.

**NORMAL tone**: This icon appears when the UPS is working under normal conditions.

**BATTERY icon****: During a severe brownout or blackout, this icon appears and an alarm sounds (two short beeps followed by a pause) to indicate that the UPS system is losing power. The UPS should be unplugged immediately and the customer should contact CyberPower Systems for support.

**On**: Constant tone

**Battery Mode or AC/Utility Power Mode Overload Fault**: Occurs when connected equipment exceeds the rating of battery outlets at the unit. Please unplug at least one piece of equipment from battery outlets.

**Batt. Capacity or Battery Mode**: This icon displays the approximate charge level of the UPS's internal battery in 20% increments.

**Battery Mode or AC/Utility Power Mode Overload Fault**: Occurs when connected equipment exceeds the rating of battery outlets at the unit. Please unplug at least one piece of equipment from battery outlets.

**On**: Constant tone

**Battery Output Short Fault**: Please unplug at least one piece of equipment from battery outlets and turn the UPS off. If the fault still occurs, please contact CyberPower Systems for support.

**Charger Fault**: Contact ADI/W Box Technologies US 1-888-233-6261; Canada 677-234-7378; PR 787-730-8380

**LIMITATION OF LIABILITY**

There are no warranties or conditions, express or implied, of merchantability, or fitness for a particular purpose or otherwise, which extend beyond the description on the face hereof. To the fullest extent permitted by law, any product description (whether in writing or made orally by ADI or ADI’s agents), specifications, samples, drawings, charts, diagrams, engineering sheets, or similar materials used in connection with the Buyer’s order are for the sole purpose of identifying ADI’s products and shall not be construed as an express or written warranty. Any suggestion by ADI or ADI’s agents regarding use, applications or suitability of the products shall not be construed as an express or written warranty unless specifically set forth in writing by ADI. ADI does not represent that the products it supplies may not be used for any illegal, unauthorized, improper, inappropriate or dangerous purposes, and assumes no liability for personal injury or property damage or other loss based on any claim at all including a claim that the products failed to give adequate warning. Further, ADI is not liable whether directly or indirectly for any loss or damage with respect to the products it sells, irrespective of cause or origin, its maximum liability shall not in any case exceed the purchase price of the product, which shall be fixed as liquidated damages and not as a penalty and shall be the complete and exclusive remedy against ADI.

**LIMITATION ON LIABILITY TO Buyer’s Customers.** Buyer agrees to hold ADI harmless to its fullest extent permitted by law. Buyer acknowledges that ADI shall only be deemed to give warranties or conditions of products or services as may be required by law and no at all times Buyer represents to its customers and users of ADI’s products that ADI provides any additional warranties. By accepting the products, to the fullest extent permitted by law, Buyer assumes all liability and agrees to indemnify and hold ADI harmless against all claims and suits (including, but not limited to, suits by Buyer’s customers and/or users of the products) because of any failure of the products or performance or any injury to any person or property or for the loss of use, applications or suitability of the products shall not be construed as an express or condition. Any suggestions by ADI or ADI’s agents regarding use, applications or suitability of the products shall not be construed as an express or written warranty unless specifically set forth in writing by ADI. ADI does not represent that the products it supplies may not be used for any illegal, unauthorized, improper, inappropriate or dangerous purposes, and assumes no liability for personal injury or property damage or other loss based on any claim at all including a claim that the products failed to give adequate warning. Further, ADI is not liable whether directly or indirectly for any loss or damage with respect to the products it sells, irrespective of cause or origin, its maximum liability shall not in any case exceed the purchase price of the product, which shall be fixed as liquidated damages and not as a penalty and shall be the complete and exclusive remedy against ADI.

**SYSTEM FUNCTION BLOCK DIAGRAM**

**Limited Warranty and Connected Equipment Guarantee**

1. **Limited Warranty**

   **General**

   Subject to the terms and conditions of this Limited Warranty, from the date of sale through the period of time for product categories specified in Section 1(b), ADI warrants to W Box Technologies products to be free from defects in materials and workmanship under normal use and service, normal wear and tear excepted. Except as required by law, this Limited Warranty is only made to Buyer and may not be transferred to any third party.

   ADI shall have no obligations under this Limited Warranty or otherwise:

   (i) The product is improperly installed, altered or maintained;

   (ii) The product contains material or components, either defective or damaged, installed, added, altered, by third party manufacturers, or ADI assigns to Buyer warranties and only those warranties extended by such third party manufacturers or vendors for non-ADI branded products. ADI does not disclaim any non-ADI branded product and sells only as is in accordance with ADI’s terms and conditions of sale.

   **Limited Warranty and Connected Equipment Guarantee**

   **How Do You Obtain A Connected Equipment Claim?**

   1. For Connected Equipment Guarantee claims, contact CyberPower Systems at 877-367-6037 or write to CyberPower Systems (USA), Inc., 4241 12th Ave. E, STE 400; Shoreline, WA 98133, or send an e-mail message to warranty@cyberpowersys.com for instructions, within 10 days of the occurrence.

   2. When you contact CyberPower, identify the Product, the Purchase Date, and the item(s) of Connected Equipment. Have information on all applicable insurance or other resources of recovery available to the initial Customer and Request a Claim Number.

   3. You must provide a dated purchase receipt (or other proof of the original purchase) and provide a description of the damage to your connected equipment.


   For US call 1-800-233-6261
   For Canada call 677-234-7378
   For Puerto Rico call 787-730-8380

   Be sure to have the model number and the nature of the problem available.

   In the event of replacement, the return product will be credited to Buyer’s account and a new invoice issued for the replacement item.

   **How Long Do I Have To Make A Claim?**

   All claims must be made within 240 days of the occurrence.

   **How Will CyberPower Do To Correct Problems?**

   CyberPower will inspect and analyze the Product. If it appears the UPS failed to protect any equipment plugged into it, CyberPower will send you forms for making your claim for the connected equipment warranty. CyberPower will repair or replace the equipment that was damaged because of the failure of the UPS or pay you for your fair market value (NOT REPLACEMENT COSTS) of the equipment at the time of the damage. CyberPower uses On-Bus Blue Books, or other a factory valuation guides, or eBay, Craiglist, or other source to establish that amount. The maximum liability is limited to $200,000 for the 60-PE20010R.

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