INSTALLING YOUR UPS SYSTEM

DESCRIPTION

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 the manual thoroughly before attempting to install, unpack, or operate.

CAUTION!

- To prevent the risk of fire or electric shock, unplug the product when installing or maintaining it.
- There are no user-serviceable parts inside the UPS.
- To reduce the risk of electric shock, do not open or mutilate the battery case. Released electrolyte is harmful to the skin and eyes and may be toxic.
- Do not dispose of batteries in a fire, as they may explode. Follow all local ordinances regarding proper disposal of batteries.

BATTERY REPLACEMENT PROCEDURE:

1. Locate the battery terminal cover on the rear panel of the UPS. Turn the unit off.
2. Unplug the AC power cord from the UPS.
3. Remove the black bottom cover panel to install an optional RMCARD provides remote monitoring and management of your UPS over a network.
4. Press the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is not grounded.
5. Do not plug the UPS into any AC outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.
6. The switch can be used to select the LCD display contents. Press the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is not grounded.

HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

Ensure that the equipment plugged into the outlets does not exceed the UPS's rated capacity (1000VA/600W for OR1000LCDRM1U, 1500VA/900W for OR1500LCDRM1U). If the rated capacities of the unit are exceeded, an overload condition may occur and cause the unit to shut down or damage the equipment.

HOW TO INSTALL THE BEST PRACTICES FOR USING YOUR UPS

1. Put the UPS in a suitable location, away from direct sunlight and excessive heat sources. Make sure there is adequate ventilation around the UPS.
2. Do not plug the UPS into any AC outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.
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5. Do not plug the UPS into any AC outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.

YOU CAN INSTALL YOUR UPS SYSTEM FROM A USB PORT!

To install your UPS system from a USB port, please follow these steps:

1. Connect the UPS to your computer via a USB port.
2. Power on the UPS.
3. Open the UPS software on your computer.
4. Select the UPS model from the software.
5. Initialize the UPS by following the software instructions.
6. Connect your devices to the UPS outlets.
7. Test the UPS performance by following the software instructions.

BATTERY REPLACEMENT PROCEDURE:

1. Remove the black bottom cover panel to install an optional RMCARD provides remote monitoring and management of your UPS over a network.
2. Press the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is not grounded.
3. Do not plug the UPS into any AC outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.

REPLACING THE BATTERY

1. Remove all watches, rings or other metal objects.
2. Only use tools with insulated handles.
3. Do not plug the UPS into any AC outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.
4. Use weather gloves and boots.
5. Determine if the battery is inadvertently grounded. If inadvertently grounded, remove source of ground.

THE BATTERY CAN RESULT IN ELECTRICAL SHOCK:

1. If a spark occurs, replace the battery.
2. Do not replace the battery in an electrical socket unless it is properly grounded.
3. Contact with a ground cable can result in an electrical shock.

DEFINITIONS FOR ILLUMINATED LCD INDICATORS

Line mode

- Select 5V PS: UPS Status Display
- Local Display: Battery Level
- Input Voltage
- Output Voltage
- Run Time
- % of Load
- % of Batt

Battery mode

- Select 5V PS: UPS Status Display
- Local Display: Battery Level
- Input Voltage
- Output Voltage
- Run Time
- % of Load
- % of Batt

USB Port Logic

- 0: Battery powers<br>the device<br>- 1: Battery overloads<br>the device

USB Port Status

- 0: USB Port off<br>- 1: USB Port on
Who is Providing this Warranty?

Warranty, you should return the Product for a full refund prior to using it. “Product”). By using the Product you consent to be bound by and become a party to the terms and conditions of this Limited Warranty Read the following terms and conditions carefully before using the CyberPower OR1000LCDRM1U/OR1500LCDRM1U (the "Product") as it is provided by the User to the Product to be bound by and become a party to the terms and conditions of this Limited Warranty and Connected Equipment Guarantee. Additional troubleshooting information can be found under "Support" at www.CPSww.com.

Full time surge protection cabling stop providing power to equipment.

Problem Possible Cause Solution

The UPS does not provide expected output.

Battery is not charged. Replace the battery by allowing the UPS plugged in.

The UPS will not turn on.

The switch is designed to prevent damage by rapidly turning it off and on. Turn the UPS off. Wait 10 seconds and then turn the UPS on.

The battery is worn out. Contact CyberPower Systems about replacement batteries no tech@cpsww.com.

Mechanical problems. Contact CyberPower Systems at tech@cpsww.com.

PowerPanel® Business Edition is inactive.

The cable is not connected. Connect the USB cable to the UPS unit and an open USB port on the back of the computer.

The unit is not providing battery power. Shut down your computer and turn the UPS off. Wait 10 seconds and then turn the UPS on. This should reset the unit.

TECHNICAL SPECIFICATIONS

Model OR1000LCDRM1U OR1500LCDRM1U

Capacity 1050VA / 600W 1500VA / 900W

Normal Input Voltage 90Vac to 140Vac

On-Battery Output Voltage 120Vac +/- 5%

Size (W x H x D) 11" x 2.1" x 14.5" 14.8" x 1.8 x 15.6

Weight 35.6lbs 45.6lbs

Battery Type CyberPower / RB628EX4 CyberPower / RB646EX4

Nominal Input Frequency 50Hz or 60Hz (Auto-sensing)

On-Battery Output Waveform Simulated Sine Wave

Operating Temperature +32° F to 104° F / 0° C to 40° C

Safety Approvals UL1778 4th, cUL CSA C22.2 No.107.3-05, FCC/DoC Class B

Battery Mode Normal Mode

Output Filter High Pass Filter

Input Filter Low Pass Filter

Input Surge Suppressor

APF

Normal Mode Battery Mode

Input

Input Surge Suppressor

APF

Normal Mode Battery Mode

Output

Battery

SYSTEM FUNCTIONAL BLOCK DIAGRAM

Advanced Energy-Saving Patented Bypass Technology

CyberPower’s patented GreenPower UPS™ technology reduces UPS energy costs by up to 75% compared to conventional UPS models. Even when utility power is normal, conventional UPS models constantly pass power through a transformer. By contrast, under normal conditions the advanced circuitry of a GreenPower UPS™ bypasses the transformer. As a result, the power efficiency is significantly increased while decreasing waste heat, using less energy, and reducing energy costs. When an abnormal power condition occurs, the GreenPower UPS™ automatically ramps power through its transformer to regulate voltage and provide “safe” power. Since utility power is normal over 98% of the time, the GreenPower UPS™ operates primarily in its efficient bypass mode. The GreenPower UPS™ is also manufactured in accordance with the Restriction on Hazardous Substances (RoHS) directive making it one of the most environmentally-friendly on the market today.

Limited Warranty and Connected Equipment Guarantee

Read the following terms and conditions carefully before using the CyberPower OR1000LCDRM1U OR1500LCDRM1U (the "Product") as it is provided by the User to the Product to be bound by and become a party to the terms and conditions of this Limited Warranty and Connected Equipment Guarantee (together referred to as the “Warranty”). If you do not agree to the terms and conditions of this Warranty, you should return the Product for a full refund prior to using it.

What is this Warranty Cover?

This warranty covers defects in materials and workmanship in the Product under normal use and conditions. It also covers equipment that was connected to the Product and damaged because of the failure of the Product.

What is the Period of Coverage?

This warranty covers the Product for three years and connected equipment for as long as you own the Product.

Who is Covered?

This warranty only covers the original purchaser. Coverage ends if you sell or otherwise transfer the Product.

How Do You Get Warranty Service?

1. Before contacting CyberPower, identify Your Product model number, the Purchase Date, and each item of Connected Equipment (E.G. Computer tower, Computer Monitor, Vol. Jet Printer, Cable Modem, etc);
2. Visit our web site at http://www.cpsww.com/support or call us at (877) 297-6937;
3. If your product requires warranty service you must provide a copy of your dated purchase receipt or invoice.

How Do You Open A Connected Equipment Claim?

1. Call us at (877) 297-6937 or write to us at CyberPower Systems (USA), Inc., 4241 12th Ave E., STE 400, Shapkoke, MN 55379, or send us an e-mail message at claims@cpsww.com for instructions, within 10 days of the occurrence.

For further information please feel free to contact CyberPower at CyberPower Systems (USA), Inc., 4341 12th Ave E., STE 400, Shapkoke, MN 55379, call us at (877) 297-6937, or send us an e-mail message at claims@cpsww.com.

CyberPower Systems encourages environmentally sound methods for disposal and recycling of its UPS products. Please dispose and/or recycle your UPS and batteries in accordance with the local regulations of your state. All rights reserved. Reproduction without permission is prohibited.

By using the Product you consent to be bound by and become a party to the terms and conditions of this Limited Warranty and Connected Equipment Guarantee, and all claims for CyberPower provides to you. Shove the Claim Number on the stopping label or include it with the product. You must prepay all shipping costs, you are responsible for packaging and shipment, and you must pay the cost of the repair estimate.

How Long Do I Have To Make A Claim?

All claims must be made within ten-days of the occurrence.

What Will We Do To Correct Problems?

CyberPower will inspect and examine the Product. If the Product is defective in material or workmanship, CyberPower will repair or replace it at CyberPower’s expense, or, if CyberPower is unable to or decides not to repair or replace the Product (if defective) within a reasonable time, CyberPower will refund to you the full purchase price you paid for the Product (purchase receipt showing price paid is required).

If it appears that the Product failed to protect any equipment plugged into it, we will also send you forms for making your claim for the connected equipment. We will repair or replace the equipment that was damaged because of the failure of our Product or you pay the fair market value (NOT REPLACEMENT COST) of the equipment at the time of the damage. We will use Orion Blue Book, or another third-party valuation guide, or another source to establish that amount. Our maximum liability is limited to $300,000 for the OR1000LCDRM1U and the OR1500LCDRM1U.

Who Pays For Shipping?

We pay when we send items to you; you pay when you send items to us.

What isn’t covered by the warranty?

1. This Warranty does not cover any software that was damaged or needs to be replaced due to the failure of the Product or any data that is lost as a result of the failure or the restoration of data or records, or the reinstallation of software.

2. The Warranty does not cover or apply to: misuse, modification, operation or storage outside environmental limits of the Product or the equipment connected to it, nor for damage while in transit or in storage, nor if there has been improper operation or maintenance, or use with items not designed or intended for use with the Product, such as laser printers, appliances, aquariums, medical or life support devices, etc.

3. Damage from any circumstance described as excluded above with respect to the Product.

4. Damage from fire, flood, wind, rain, rising water, leakage or breakage of plumbing, abuse, misuse or alteration of either the product or the Connected Equipment.

5. CyberPower excludes any liability for personal injury under the Limited Warranty and Connected Equipment Guarantee. CyberPower excludes any liability for direct, indirect, special, incidental or consequential damages, whether for damage to or loss of property [EXCEPT FOR (AND ONLY FOR) the specific limited agreement of CyberPower to provide certain warranty benefits regarding “Connected Equipment” under this Warranty], loss of profits, business interruption, or loss of information or data. NOTE: Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

6. The Product is not to use in high-risk activities or aquatic/exposure. The Product is not designed or intended for use in hazardous environments requiring fail-safe performance, or for use in any circumstance in which the failure of the Product could lead directly to death, personal injury, severe physical or property damage, or that would affect operation or safety of any medical or life support device (collectively, "High Risk Activities"). CyberPower expressly disclaims any express or implied warranty of fitness for High Risk Activities or aquatic/exposure. CyberPower does not authorize use of any Product in any High Risk Activities or with Aquapath. ANY SUCH USE IS IMPROPER AND IS A VIOLANCE OF THE PRODUCT.

Where Can I Get More Information?

The application of the United Nations Convention of Contracts for the International Sale of Goods is expressly excluded. CyberPower is the warrantor under this Limited Warranty.

For further information please feel free to contact CyberPower at CyberPower Systems (USA), Inc., 4341 12th Ave E., STE 400, Shapkoke, MN 55379, call us at (877) 297-6937, or send us an e-mail message at claims@cpsww.com.

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