Thank you for purchasing a CyberPower® product. Please take a few minutes to register your product at www.CyberPowerSystems.com/Registration. Registration confirms your product’s warranty, certifies your ownership in the event of a product loss or theft and entitles you to free technical support. Register your product now to receive the benefits of CyberPower ownership.

**IMPORTANT SAFETY INSTRUCTIONS**

(SAVE THESE INSTRUCTIONS)

This manual contains important safety instructions that should be followed throughout installation and maintenance of the UPS and the batteries. Read this manual thoroughly before attempting to install, install, or operate your UPS.

**CAUTION!**

To prevent the risk of fire or electric shock, do not open the case. There are no user-serviceable parts inside except for the battery.

**CAUTION!**

Hazardous live parts inside can be energized by the battery even when the AC input power is disconnected.

**NOTICE!**

The UPS must be connected to an AC power outlet with fuse 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, shut off the unit and unplug it from the AC power source before installing or servicing the unit.

**CAUTION!**


**CAUTION!**

Reduce the risk of fire, connect only to a circuit protected with a 30 ampere maximum branch circuit over current protection in accordance with the National Electric Code, ANSI/NFPA 70.

**DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT!**

CyberPower Systems does not sell products for life support or medical applications. DO NOT use in any circumstance that would affect operation of life support equipment, any medical applications or patient care.

**DO NOT USE WITH OR NEAR AQUARIUMS!**

To reduce the risk of fire or electric shock, do not use with or near an aquarium. Condensation from the aquarium can cause the unit to shut down.

**DO NOT USE THE UPS AS A TRANSPOWER UNIT!**

To reduce the risk of fire or electric shock, do not use the unit on any transportation such as airplanes or ships. The effect of shock or vibration caused during transit and the damp environment can cause the unit to shut down.

**INSTALLING YOUR UPS SYSTEM**

**UNPACKING**

Inspect the UPS upon receipt. The box should contain the following:

(a) UPS unit (b) User’s manual (c) Rack mount brackets (d) USB A+B type cable

*PowerPanel® Business software is available on our website. Please visit www.CyberPowerSystems.com/Registration and go to the Software Section for free download.

**OVERVIEW**

The OR500LCDRM1U/OR700LCDRM1U provides automatic voltage regulation for inconsistent utility power. The incoming power is regulated to a safe level, which is maintained even when the incoming power is not available. The OR500LCDRM1U/OR700LCDRM1U stabilizes inconsistent utility power. The incoming power is regulated to a safe level, which is maintained even when the incoming power is not available.

**DESCRIPTION**

1. **LCD module display**
   - LCD shows all the UPS information with using icons and messages.

2. **Power On Indicator**
   - LED is illuminated when the utility condition is normal and the UPS outlets are providing power, free of surge and spikes.

3. **Power Switch**
   - Master on/off switch for equipment connected to the battery power supplied outlets.

4. **LCD function selected switch**
   - Switch can be used to select an LCD display contents including input/output voltage and estimated run time, etc.

5. **Battery and Surge Protected Outlets**
   - The unit has four battery powered/surge suppression outlets for connected equipment 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 devices into the “Battery and Surge Protected Outlets”. The power demands of these devices may overflow and damage the unit.)

6. **Full-Time Surge Protection Outlets**
   - The unit has two surge suppression outlets.

7. **SNMP HTTP Network Slot**
   - Remove the cover panel to install an optional RM Card to provide remote monitoring and management of your UPS over a network.

8. **Communication Protection Ports RJ45**
   - Communication protection ports, bi-directional, will protect a 10/100/1000 Ethernet connection. (RJ45).

9. **USB Port to PC**
   - This port allows connection and communication from the USB port on the computer to the UPS unit. The UPS communicates its status to the PowerPanel® Business Edition software.

10. **Dry Contact**
    - This port produces information for use that can read dry contact signals.

11. **Circuit Breaker**
    - Located on the back of the UPS, the circuit breaker serves to provide overload and fault protection. Under normal operating conditions, the circuit breaker is depressed.

12. **AC Input**
    - Connect the AC Power cord to a properly wired and grounded outlet.

13. **Electrical Wiring Fault Indicator (Red)**
    - This LED indicator will illuminate to warn the user that a wiring problem exists, such as bad ground, missing ground or reversed wiring. It is illuminated, disconnected, or open electrical equipment from the outlet and have an electrician check to ensure the outlet is properly wired. The unit will not provide surge protection without being plugged into a grounded and properly wired wall outlet.

**REPLACING THE BATTERY**

**CAUTION!**

Read and follow the IMPORTANT SAFETY INSTRUCTIONS before servicing the battery. Service the battery under the supervision of personnel knowledgeable of batteries and their precautions.

**WARNING**

When replacing batteries, replace with the same number of the following battery: CyberPower® BPS0670X2 for OR500LCDRM1U and CyberPower® BPS08802X2 for OR700LCDRM1U. See your dealer for replacement batteries.

**CAUTION!**

Risk of energy failure, HV, maximum 18A battery. Before replacing batteries, remove conductive jewelry such as chains, wrist watches and rings. High energy through conductive jewelry.

**CAUTION!**

Risk of explosion if battery is replaced by an incompatible type. Dispose of used batteries according to the instructions.

**CAUTION!**

The battery may present the risk of electrical shock. Do not dispose of batteries in a fire, the batteries may explode.

**WARNING**

Do not plug a laser printer, paper shredder, copier, space heater, vacuum cleaner, sump pump or any other large electrical devices into the “Battery and Surge Protected Outlets”. The power demands of these devices may overflow and damage the unit.

**BATTERY REPLACEMENT PROCEDURE:**

1. Remove all watches, rings or other metal objects.
2. Only use tools with insulated handles.
3. Do not tie tools or other metal parts on top of battery or any battery terminals.
4. Wear rubber gloves and boots.
5. Do not open the battery.

**NOTICE!**

If the battery is inadvertently grounded, it inadvertently grounded, remove source of ground.

**CONTACT WITH A GROUNDED BATTERY CAN RESULT IN ELECTRICAL SHOCK!**

The likelihood of such shock will be reduced if such grounds are removed during installation and maintenance (applicable to a UPS and a remote battery supply not having a grounded circuit).

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**DESCRIPTION FOR ILLUMINATED LCD**

<table>
<thead>
<tr>
<th>Function</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>Battery mode</td>
</tr>
<tr>
<td>Batt.</td>
<td>Select SW</td>
</tr>
<tr>
<td>Load</td>
<td></td>
</tr>
<tr>
<td>Life Time</td>
<td></td>
</tr>
<tr>
<td>REMAIN</td>
<td></td>
</tr>
<tr>
<td>Initi</td>
<td></td>
</tr>
<tr>
<td>2nd</td>
<td></td>
</tr>
<tr>
<td>4th</td>
<td></td>
</tr>
<tr>
<td>5th(Return)</td>
<td></td>
</tr>
<tr>
<td>1st</td>
<td></td>
</tr>
</tbody>
</table>

**What is a VR?**

The OR500LCDRM1U/OR700LCDRM1U stabilizes inconsistent utility power. The incoming utility power may be damaging to important data files, but with Automatic Voltage Regulation, the computer will not experience damaging voltage levels. An Automatic Voltage Regulator automatically increases/decreases output voltage to a consistent, computer safe 115V/120V. The unit’s powerful lead-acid battery will provide power only if the incoming voltage drops below 90V or increases above 140V.

**HARDWARE INSTALLATION GUIDE**

1. Your new UPS may be used immediately upon receipt. However, after receiving a new UPS, to ensure the battery’s maximum charging capacity, it is recommended that you charge the battery for at least 8 hours. Your UPS is equipped with an auto-charge feature. When the UPS is plugged in an AC outlet, the battery will automatically charge whether the UPS is turned on or off.

2. If you will be ordering, connect the USB cable to the USB port on the UPS.

3. With the UPS unit turned off and unplugged, connect your computer, monitor, and any other peripherals requiring battery backup into the battery power supplied outlets. Plug the other peripheral equipment (e.g. printer, scanner, speakers, etc.) into the line UPS AC surge protection outlets.

4. Plug the UPS into a 2-prong, 3-wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. air conditioner, refrigerator, copier, etc.). The warranty prohibits the use of extension cords, outlet strips, and surge strips in conjunction with the UPS unit.

5. Press the power switch to turn on the UPS unit. The Power On led (green) and the unit will “beep” twice.

6. If an overload is detected, an audible alarm will sound and the unit will enter “Hi BEEP” mode. To correct this, turn the UPS off and unplugging at least one piece of equipment from the battery power supplied outlets. Make sure the circuit breaker is depressed and then turn the UPS unit on.

7. To maintain optimum battery charge, leave the UPS plugged into an AC outlet at all times.

8. To store the UPS for an extended period of time, cover it and store the battery fully charged. While in storage, recharge the battery every three months to ensure battery health.

9. The socket-outlet shall be installed near the equipment and shall be easily accessible.

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**BASIC OPERATION**

1. LCD module display
   - LCD shows all the UPS information with using icons and messages.

2. Power On Indicator
   - LED is illuminated when the utility condition is normal and the UPS outlets are providing power, free of surge and spikes.

3. Power Switch
   - Master on/off switch for equipment connected to the battery power supplied outlets.

4. LCD function selected switch
   - Switch can be used to select an LCD display contents including input/output voltage and estimated run time, etc.

5. Battery and Surge Protected Outlets
   - The unit has four battery powered/surge suppression outlets for connected equipment 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 devices into the “Battery and Surge Protected Outlets”. The power demands of these devices may overflow and damage the unit.)

6. Full-Time Surge Protection Outlets
   - The unit has two surge suppression outlets.

7. SNMP HTTP Network Slot
   - Remove the cover panel to install an optional RM Card to provide remote monitoring and management of your UPS over a network.

8. Communication Protection Ports RJ45
   - Communication protection ports, bi-directional, will protect a 10/100/1000 Ethernet connection. (RJ45).

9. USB Port to PC
   - This port allows connection and communication from the USB port on the computer to the UPS unit. The UPS communicates its status to the PowerPanel® Business Edition software.

10. Dry Contact
    - This port produces information for use that can read dry contact signals.

11. Circuit Breaker
    - Located on the back of the UPS, the circuit breaker serves to provide overload and fault protection. Under normal operating conditions, the circuit breaker is depressed.

12. AC Input
    - Connect the AC Power cord to a properly wired and grounded outlet.

13. Electrical Wiring Fault Indicator (Red)
    - This LED indicator will illuminate to warn the user that a wiring problem exists, such as bad ground, missing ground or reversed wiring. It is illuminated, disconnected, or open electrical equipment from the outlet and have an electrician check to ensure the outlet is properly wired. The unit will not provide surge protection without being plugged into a grounded and properly wired wall outlet.
Advanced Energy-Saving Patented Bypass Technology
CyberPower’s patented GreenPower UPS™ with Bisync Technology reduces UPS energy costs by up to 75% compared to conventional UPS models. When even 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 runs power through its transformer to regulate voltage and provide “safe” power. Since utility power is normal over 88% of the time, the GreenPower UPS™ operates primarily in its efficient bypass mode.

System Function 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 off and on, the user is encouraged to try to correct the interference by one of 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.

Warning: 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)

Limited Warranty and Connected Equipment Guarantee
Read the following terms and conditions carefully before using the CyberPower CR625LCDRM1U / OR700LCDRM1U (“the CPS Product”). By using the CPS Product you consent 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 CPS Product for a full refund prior to using it.

Who Is Providing This Warranty?
CyberPower Systems (USA), Inc. (“CyberPower”) provides this Limited Warranty.

What Does This Warranty Cover?
This warranty covers defects in materials and workmanship in the CPS Product under normal use and conditions. It also covers equipment that was connected to the CPS Product and damaged because of the failure of the CPS Product. What is Not Covered?
This warranty covers the CPS Product for three years from the date of purchase and connected equipment for as long as you own the CPS Product.

Who is Covered?
This warranty only covers the original purchaser. Coverage ends if you sell or otherwise transfer the CPS Product.

How Do You Get Warranty Service?
1. Before contacting CyberPower, list your CPS Product model number, the purchase date, and each item of connected equipment (e.g. computer tower, computer monitor, ink jet printer, cable modem, etc.).
2. Visit our web site at CyberPowerSystems.com/support or call us at (877) 297-6937.
3. If your CPS Product requires warranty service you must provide a copy of your dated purchase receipt or invoice.

How Do You Open a Connected Equipment Claim?
2. When you contact CyberPower, identify the CPS Product, the purchase date, and the item(s) of Connected Equipment. Have information on all applicable insurance or other resources of recovery/ payment that are available to the Initial Customer and the Claim Number.
3. You must provide a dated purchase receipt (or other proof of the original purchaser) for the CPS Product and connected equipment. You also need to provide a description of the damage to your connected equipment.
4. Pack and ship the CPS product to CyberPower and, if requested, the item(s) of Connected Equipment, a repair cost estimate for the damage to the Connected Equipment, and all claim forms that CyberPower provides to you. Show the Claim Number on your shipping label or include it with the product.

NOTE: You must prepay all shipping costs, you are responsible for packaging and shipment, and you must pay the repair cost 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 CPS Product.

Who Pays For Shipping?
We pay when we send items to you; you pay when you send items to us.

What’s covered by the warranty?
1. This Warranty does not cover any software that was damaged or needed to be replaced due to the damage of the CPS 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 CPS Product is not covered if it is not used in accordance with the instructions provided with the CPS 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, nor for use with items not designed or intended for use with the CPS Product, such as laser printers, appliances, aquariums, medical or life support devices, etc.
3. CyberPower expressly disclaims any express or implied warranty of fitness for High Risk Activities or with aquariums. CyberPower does not authorize use of any CPS Product in 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 with aquariums. CyberPower does not authorize use of any CPS Product in any High Risk Activities or with aquariums. ANY SUCH USE IS IMPROPER AND IS A MISUSE OF THE CPS PRODUCT. "HIGH RISK ACTIVITIES" 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 more information contact CyberPower at:

CyberPower Systems (USA), Inc.
4241 12th Ave., E., STE 400, Shakopee, MN 55379
Phone: (877) 297-6937, web ticket via www.CyberPowerSystems.com/Support

WARNING: This product can expose you to chemicals including bisphenol A (BPA) and styrene, which is known to the State of California to cause reproductive harm and cancer. For more information, go to www.P65Warnings.ca.gov.