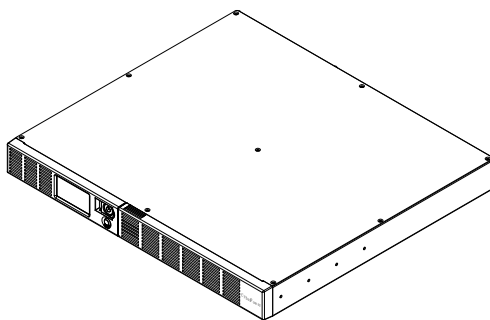


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**OR1000ERM1U/OR1500ERM1U  
User's Manual**

K01-0000841-00

## IMPORTANT SAFETY 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 unpack, install, or operate.

**CAUTION!** The UPS must be connected to a grounded AC power outlet with fuse or circuit breaker protection. DO NOT plug the UPS into an outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.

**CAUTION! 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 the operation or safety of any life support equipment, with any medical applications, or patient care.

**CAUTION!** The battery can energize hazardous live parts inside even when the AC input power is disconnected.

**CAUTION!** To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area, free of conductive 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. There are no user serviceable parts inside, except for the battery.

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

**CAUTION! DO NOT USE WITH OR NEAR AQUARIUMS!** To reduce the risk of fire, do not use with or near aquariums. Condensation from the aquarium can come in contact with metal electrical contacts and cause the machine to short out.

**CAUTION! DO NOT USE WITH LASER PRINTERS!** The power demands of laser printers are too large for a UPS.

## INSTALLING YOUR UPS SYSTEM

### **UNPACKING**

The box should contain the following:

(1) USB cable (A+B type) (2) User manual (3) UPS unit (4) power cord x 4

\*PowerPanel® Business software is available on our website.

Please visit [www.cyberpower.com](http://www.cyberpower.com) and go to the Software Section for free download.

### **OVERVIEW**

The OR1000ERM1U/OR1500ERM1U provides automatic voltage regulation for inconsistent utility power. The OR1000ERM1U/OR1500ERM1U features 1030 Joules of surge protection, and provides battery backup during power outages. The OR1000ERM1U/OR1500ERM1U ensures consistent power to your computer system and its included software will automatically save your open files and shutdown your computer system during a utility power loss.

### **HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT**

1. Make sure that the total Volt-Amp (VA) requirements of your computer, monitor, and peripheral equipment does not exceed 1000VA/1500VA.

2. Ensure that the equipment plugged into the four battery power-supplied/surge outlets does not exceed the UPS unit's rated capacity (1000VA/600W for OR1000ERM1U, 1500VA /900W for OR1500ERM1U). If the rated unit capacities are exceeded, an overload condition may occur and cause the UPS unit to shut down and the circuit breaker to trip.

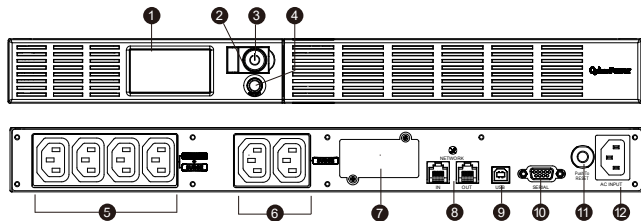
3. If the power requirements of your equipment are listed in units other than Volt-Amps (VA), convert Watts (W) or Amps (A) into VA by performing the calculations below. Note: The equation listed below only calculates the maximum amount of VA that the equipment can use, not what is typically used by the equipment at given time. Users should expect usage requirements to be approximately 60% of the maximum power requirements:

$$\text{Watts (W)} \times 1.67 = \text{VA or Amps (A)} \times 230 = \text{VA}$$

Add the totals up for all pieces of equipment and multiply this total by 0.6 to calculate the approximate requirements.

There are many factors that can affect the amount of power that your computer system will require. The total load that you will be placing on the battery-powered outlets should not exceed 80% of the unit's capacity.

## BASIC OPERATION



### **DESCRIPTION**

#### **1. LCD module display**

LCD shows all the UPS information with icons and messages.

#### **2. Power on LED**

This LED is illuminated when the utility condition is normal and the UPS outlets are providing power, free of surges and spikes.

#### **3. Power Switch**

Master on/off switch for equipment connected to the battery power supplied outlets.

#### **4. LCD function selected switch**

The switch can be used to select the LCD display contents Including input/output voltage and estimated run time, etc.

#### **5. Battery, Surge and AVR Outlets**

Provides four battery power, surge protected and AVR outlets for connected equipment and ensures temporary uninterrupted operation of your equipment during a power failure.

#### **6. Surge Outlets**

Provides two surge protected outlets for connected equipment.

#### **7. Expansion Port**

Allows users to add the optional SNMP card.

#### **8. Communication Protection Ports**

Communication protection ports will protect any standard modem, fax, telephone line, broadband network or Ethernet connection.

# Obsah je uzamčen

**Dokončete, prosím, proces objednávky.**

**Následně budete mít přístup k celému dokumentu.**



**Proč je dokument uzamčen? Nahněvat Vás rozhodně nechceme. Jsou k tomu dva hlavní důvody:**

- 1) Vytvořit a udržovat obsáhlou databázi návodů stojí nejen spoustu úsilí a času, ale i finanční prostředky. Dělali byste to Vy zadarmo? Ne\*. Zakoupením této služby obdržíte úplný návod a podpoříte provoz a rozvoj našich stránek. Třeba se Vám to bude ještě někdy hodit.

*\*) Možná zpočátku ano. Ale vězte, že dotovat to dlouhodobě nelze. A rozhodně na tom nezbohatneme.*

- 2) Pak jsou tady „roboti“, kteří se přiživují na naší práci a „vysávají“ výsledky našeho úsilí pro svůj prospěch. Tímto krokem se jim to snažíme překazit.

A pokud nemáte zájem, respektujeme to. Urgujte svého prodejce. A když neuspějete, rádi Vás uvidíme!