

## CyberPower OL10KRT

# CyberPower OL10KRT Smart App Online UPS User Manual

Model: OL10KRT

## 1. PRODUCT OVERVIEW

The CyberPower Smart App Online OL10KRT is a 6U rack/tower double-conversion Uninterruptible Power Supply (UPS) system. It delivers pure sine wave output, ensuring seamless power protection for critical IT infrastructure. This UPS is generator compatible and provides consistent 200-240V power with zero transfer time. Its automatic bypass feature ensures continuous operation during overloads or internal faults. The OL10KRT includes a pre-installed RMCARD205 network card for remote monitoring and a removable LCD control panel for flexible placement.

Key features include Smart-battery management for extended battery life, fast-charge technology, and an energy-saving GreenPower UPS™ ECO Mode for high efficiency.



Image: Front view of the CyberPower OL10KRT UPS (top unit) and its extended battery module (bottom unit), showing the LCD display and ventilation grilles.

## 2. SAFETY INFORMATION

Please read and follow all safety instructions carefully before installing, operating, or servicing the UPS. Retain this manual for future reference.

- This UPS contains hazardous voltages. Do not attempt to disassemble the unit. Servicing should only be performed by qualified personnel.
- Do not install the UPS in direct sunlight, near heat sources, or in areas with excessive dust, humidity, or corrosive substances.
- Ensure proper grounding. Connect the UPS to a grounded AC power outlet.
- Do not connect non-computer-related items such as medical equipment, life support equipment, microwave ovens, or vacuum cleaners to the UPS.
- Risk of electric shock. Disconnect the UPS from the AC power source before servicing or installing batteries.
- Batteries can present a risk of electrical shock and high short-circuit current. Observe the following precautions:
  - Remove watches, rings, or other metal objects.
  - Use tools with insulated handles.
  - Wear rubber gloves and boots.
  - Do not lay tools or metal parts on top of batteries.
  - Disconnect charging source prior to connecting or disconnecting battery terminals.
- Internal battery voltage is 240V DC.
- Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### 3. PACKAGE CONTENTS

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Verify that all items listed below are included in your package. Contact your dealer if any items are missing or damaged.

- Power Module
- Extended Battery Module (EBM)
- Left & Right Rackmount Rails
- Left & Right Hanging Brackets
- Phone Cable
- USB Communication Cable
- Serial Interface Cable (RS-232)
- NEMA L6-30P to IEC-320-C13 Power Cord
- Quick Start Guide
- Safety Instructions
- Registration Warranty card
- PowerPanel Management Software Download Card
- (4) Rackmount Ears
- (2) Tie Plates
- (16) Black M5X7L Flat Head Screws
- (24) Black M5X12L Pan Head Screws
- (12) Silver M5X6L Pan Head Screws
- (16) Plastic Washers
- (28) Screw Hole Dust Covers
- (24) Rubber Pads

### 4. SETUP AND INSTALLATION

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#### 4.1 Physical Placement

The OL10KRT can be installed in a 6U rackmount configuration or as a tower unit. Ensure adequate ventilation around the unit and avoid blocking air vents.



Image: Multiple CyberPower OL10KRT UPS units and their extended battery modules installed within a server rack, demonstrating a typical rackmount setup.

## 4.2 Connecting the UPS

1. **Initial Battery Connection:** Connect the internal battery pack. Refer to the Quick Start Guide for specific instructions on connecting the internal battery cables.
2. **Connecting Extended Battery Modules (EBMs):** If using optional BP240VL3U01 EBMs, connect them to the UPS power module. Up to ten EBMs can be connected for expanded runtime.
3. **AC Power Connection:** Connect the UPS to a dedicated, grounded electrical outlet using the provided power cord. Ensure the input voltage matches the UPS requirements.
4. **Connecting Equipment:**
  - Connect critical equipment to the three NEMA L6-30R outlets.
  - For high-power or hardwired loads, utilize the Hardwire Terminal Block.



Image: Rear view of the CyberPower OL10KRT UPS, highlighting the input/output connections, including NEMA L6-30R outlets, hardwire terminal block, communication ports (USB, RS232, EPO), and cooling fan.

### 4.3 Communication Setup

The OL10KRT comes with a pre-installed RMCARD205 network card for remote monitoring and management. Connect an Ethernet cable to the network port on the RMCARD205. Use the provided USB or Serial (RS-232) cables to connect the UPS to a computer or server for local monitoring with PowerPanel Business Edition software. The removable LCD control panel can be repositioned up to ten feet away using an optional DB-26 cable, providing flexible monitoring options.

## 5. OPERATION

### 5.1 Powering On/Off

- **To Power On:** Press and hold the power button on the front panel until the UPS beeps and the display illuminates.
- **To Power Off:** Press and hold the power button until the UPS beeps and the display turns off. Ensure all connected equipment is safely shut down before powering off the UPS.

### 5.2 LCD Display and Indicators

The LCD control panel provides real-time status information about the UPS, including input/output voltage, battery capacity, load level, and operational mode. Refer to the detailed user manual for a complete list of display messages and indicators.



Image: A close-up view of the CyberPower OL10KRT UPS front panel, focusing on the LCD display which shows "CyberPower Battery Mode" and status indicators for Online, Battery, Bypass, Fault, and Replace Battery.

### 5.3 Operational Modes

- **Online Mode:** The UPS provides continuous, clean power to connected equipment through double-conversion technology.
- **Battery Mode:** When AC power fails, the UPS automatically switches to battery power to maintain operation.
- **Bypass Mode:** In case of an overload or internal fault, the UPS can automatically transfer to bypass mode, supplying utility power directly to connected equipment.
- **GreenPower UPS™ ECO Mode:** This energy-saving mode allows the UPS to achieve up to 97% efficiency by operating in bypass mode when utility power is stable, reducing power consumption and heat dissipation. The UPS will automatically switch to online mode if power quality degrades.

## 6. MAINTENANCE

### 6.1 Battery Management and Replacement

The Smart-battery management charging technology extends battery life by up to 50% through a three-stage charging process. Fast-charge technology allows batteries to reach 90% capacity within five hours, even with multiple EBMs connected.

When the "Replace Battery" indicator illuminates, it is time to replace the batteries. Contact CyberPower support or a certified technician for battery replacement to ensure safety and proper operation.

### 6.2 General Cleaning

Periodically clean the exterior of the UPS with a soft, dry cloth. Ensure ventilation openings are free from dust and debris to maintain proper airflow and cooling.

## 7. TROUBLESHOOTING

This section provides solutions to common issues. For more complex problems, contact CyberPower technical support.

Problem	Possible Cause	Solution
UPS does not turn on.	<ul style="list-style-type: none"> <li>Battery not connected.</li> <li>No AC input power.</li> <li>UPS fault.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure internal and EBM batteries are properly connected.</li> <li>Verify AC power cord is securely plugged into a live outlet. Check circuit breaker.</li> <li>Contact technical support.</li> </ul>
UPS is in Battery Mode frequently.	<ul style="list-style-type: none"> <li>Unstable AC input power.</li> <li>Overload condition.</li> </ul>	<ul style="list-style-type: none"> <li>Check utility power quality.</li> <li>Reduce the load connected to the UPS.</li> </ul>
"Replace Battery" indicator is on.	<ul style="list-style-type: none"> <li>Batteries have reached end of life.</li> </ul>	<ul style="list-style-type: none"> <li>Contact CyberPower support for battery replacement.</li> </ul>
UPS beeps continuously.	<ul style="list-style-type: none"> <li>UPS is overloaded.</li> <li>Battery low/critical.</li> </ul>	<ul style="list-style-type: none"> <li>Reduce connected load.</li> <li>Allow UPS to recharge batteries.</li> </ul>

## 8. SPECIFICATIONS

<b>Model</b>	OL10KRT
<b>Capacity (VA/Watts)</b>	10000VA / 10000W
<b>Topology</b>	Double Conversion Online
<b>Input Voltage</b>	200-240V AC
<b>Output Voltage</b>	200-240V AC (Sine Wave)
<b>Outlets</b>	3 x NEMA L6-30R, 1 x Hardwire Terminal Block
<b>Batteries</b>	20 x 12V Sealed Lead Acid (included)
<b>Battery Cell Composition</b>	Sealed Lead Acid
<b>Dimensions (D x W x H)</b>	26"D x 17"W x 10.5"H
<b>Item Weight</b>	227 pounds
<b>Communication Ports</b>	USB, RS-232, EPO, SNMP (via RMCARD205)
<b>Manufacturer</b>	Cyber Power Systems (USA), Inc.
<b>Date First Available</b>	August 13, 2018

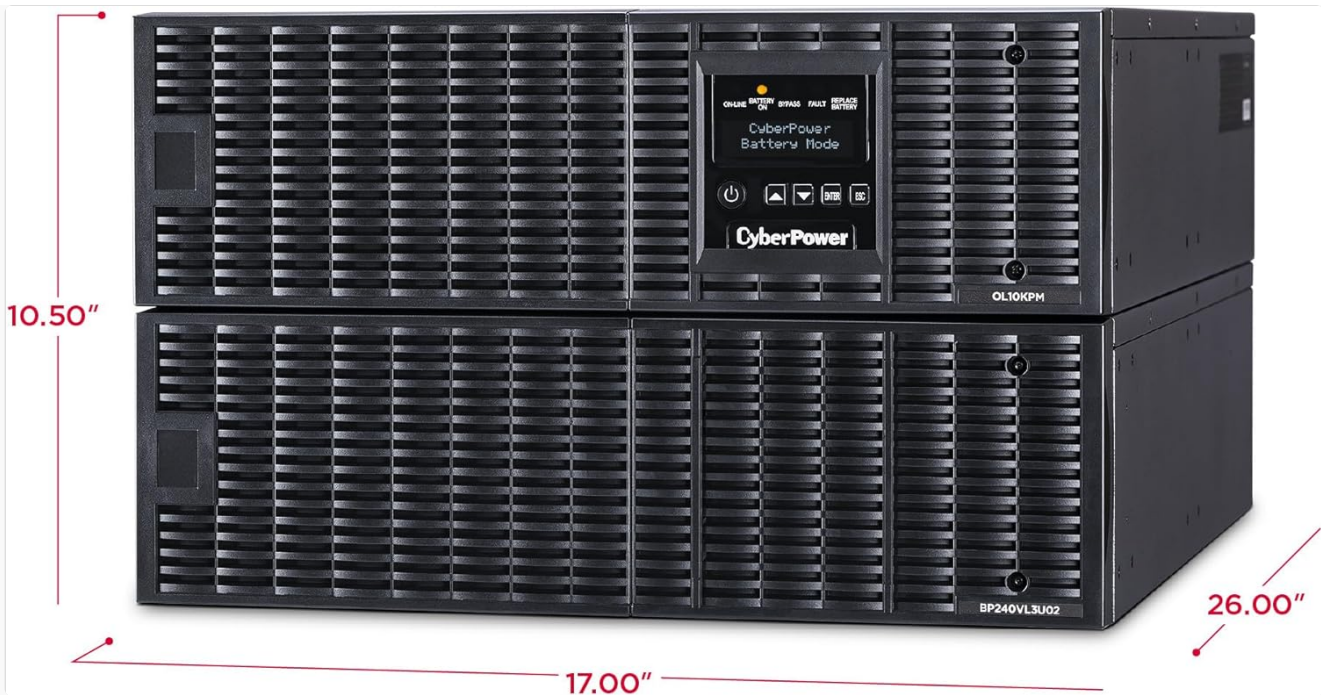


Image: Diagram showing the dimensions of the CyberPower OL10KRT UPS, indicating a depth of 26.00 inches, width of 17.00 inches, and height of 10.50 inches.

## 9. WARRANTY AND SUPPORT

The CyberPower OL10KRT comes with a **3-year warranty**, which includes the batteries. Additionally, it is backed by a **\$300,000 Connected Equipment Guarantee**.

For technical assistance, warranty claims, or to download the PowerPanel Business Edition Management Software, please visit the official CyberPower website or contact their customer support.

[Visit the CyberPower Store on Amazon](#)