

CyberPower OL1500RTXL2U

CyberPower OL1500RTXL2U Smart App Online UPS System User Manual

Model: OL1500RTXL2U | Brand: CyberPower

1. INTRODUCTION AND OVERVIEW

The CyberPower Smart App Online OL1500RTXL2U is a rack/tower Uninterruptible Power Supply (UPS) system designed to provide seamless power protection for mission-critical applications and equipment. Utilizing double-conversion topology, it delivers pure sine wave output, ensuring stable and clean power for sensitive electronics. This UPS is suitable for servers, storage appliances, network devices, and telecom installations.

Key features of the OL1500RTXL2U include:

- **1500VA/1350W Capacity:** Provides robust power backup for demanding systems.
- **Double Conversion Online Topology:** Delivers continuous, clean sine wave power with zero transfer time.
- **8 NEMA 5-15R Outlets:** Offers comprehensive battery backup and surge protection for connected devices.
- **Extendable Multifunction LCD Panel:** Displays UPS statuses and allows customization of operating settings, usable up to 10 feet away.
- **Smart Battery Management (SBM):** Optimizes battery charging to extend battery lifespan.
- **Fast Charge Technology:** Enables rapid recharging of UPS batteries, restoring 0-90% charge within 4 hours.
- **GreenPower UPS™ ECO Mode:** An energy-saving feature that enhances efficiency.
- **Generator Compatibility:** Designed to work seamlessly with generator power sources.



Figure 1.1: Front view of the CyberPower OL1500RTXL2U Smart App Online UPS System.

2. SETUP AND INSTALLATION

The OL1500RTXL2U UPS can be installed in either a rack-mount or tower configuration. The necessary hardware for both configurations is included.

2.1 Physical Installation

For rack installation, secure the unit using the provided rack-mount rails. For tower installation, attach the included tower stands to the bottom of the unit to ensure stability.





Figure 2.1: The OL1500RTXL2U UPS configured in a tower orientation with stands.

2.2 Connecting the UPS

1. **Connect Input Power:** Plug the UPS's NEMA 5-15P input plug into a grounded wall outlet.
2. **Connect Equipment:** Plug your critical and non-critical equipment into the NEMA 5-15R outlets on the rear panel of the UPS. The outlets are typically labeled for critical and non-critical loads.
3. **Optional Connections:** Connect any communication cables (USB, RS232, EPO) as needed for monitoring or emergency power off functionality.





Figure 2.2: Rear panel of the OL1500RTXL2U UPS, displaying input/output ports and NEMA 5-15R outlets.

2.3 Initial Startup

After connecting all necessary cables, press the power button on the front panel to turn on the UPS. The LCD panel will illuminate, and the unit will begin its self-test and initialization process. Allow the batteries to charge fully before relying on the UPS for extended power backup.

3. OPERATING THE UPS

The OL1500RTXL2U features an intuitive LCD control panel for monitoring and configuring the UPS. The panel can be extended up to 10 feet for convenient access.

3.1 LCD Control Panel

The LCD panel provides real-time information on UPS status, battery charge, load level, input/output voltage, and various operational modes. Use the navigation buttons (Up, Down, Enter, ESC) to browse menus and adjust settings such as selectable output voltage (100, 110, 115, 120, 125V) and ECO Mode activation.



Figure 3.1: Detailed view of the multifunction LCD control panel on the OL1500RTXL2U.

3.2 Operational Modes

- **Online Mode:** The UPS continuously converts incoming AC power to DC to charge batteries and then back to AC to power connected equipment, providing pure sine wave output and zero transfer time.
- **Battery Mode:** Activated during a power outage or significant voltage fluctuation, the UPS draws power from its internal batteries to supply connected equipment.
- **Bypass Mode:** In certain conditions or for maintenance, the UPS can enter bypass mode, where utility power directly supplies the connected equipment, bypassing the inverter.
- **GreenPower UPS™ ECO Mode:** An energy-saving mode that allows the UPS to operate in bypass mode when utility power is stable, reducing energy consumption. The UPS automatically switches to online mode if power quality degrades.

3.3 PowerPanel Business Edition Software

The UPS is compatible with CyberPower's PowerPanel Business Edition Management Software (available for download). This software allows for advanced monitoring, configuration, and graceful shutdown of connected systems via a computer or network connection.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your CyberPower UPS system.

4.1 Battery Management

The OL1500RTXL2U includes three 12V batteries. The Smart Battery Management design and Fast Charge Technology help maintain battery health. If the 'REPLACE BATTERY' indicator illuminates on the LCD panel, it signifies that the internal batteries need replacement. Refer to the official user manual for detailed battery replacement procedures.

The UPS supports up to ten optional BP36V60ART2U Extended Battery Modules (EBMs) for expanded runtime. These EBMs also benefit from Fast Charge Technology for quicker restoration of full backup power.

4.2 Cleaning

Periodically inspect and clean the air filters or inflow screens to ensure proper airflow and prevent overheating. Dust and debris accumulation can impair cooling efficiency. Use a soft, dry cloth for external cleaning. Do not use liquid cleaners or aerosols.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your UPS. For more detailed troubleshooting, please consult the comprehensive user manual PDF linked in the Support section.

5.1 Common Issues

- **UPS is Noisy:** The OL1500RTXL2U features cooling fans that operate continuously, and their noise level can be noticeable, especially in quiet environments. This is typical for double-conversion UPS units designed for data center or server room environments where noise is less of a concern. Ensure the unit has adequate ventilation and is not obstructed.
- **UPS Not Providing Power:** Check if the UPS is properly plugged into a live wall outlet. Verify that the power button has been pressed and the unit is turned on. Check the LCD panel for any fault indicators or error messages.
- **Short Battery Runtime:** This could indicate aging batteries that need replacement, or the connected load exceeds the UPS's capacity for the desired runtime. Ensure the batteries are fully charged.

6. SPECIFICATIONS

Detailed technical specifications for the CyberPower OL1500RTXL2U UPS.

Feature	Specification
Model Number	OL1500RTXL2U
Capacity (VA/Watts)	1500VA / 1350W
Topology	Double Conversion Online
Output Waveform	Sine Wave
Input Plug	NEMA 5-15P (10 ft cord)
Output Outlets	8 x NEMA 5-15R
Selectable Output Voltage	100, 110, 115, 120, 125V
Frequency	50/60 Hz
Batteries	3 x 12V (included)
Product Dimensions (D x W x H)	16.9" x 17" x 3.5"
Item Weight	39.6 pounds
Manufacturer	CyberPower Systems
First Available Date	September 14, 2012



Figure 6.1: Dimensions of the OL1500RTXL2U UPS.

7. WARRANTY AND SUPPORT

CyberPower provides comprehensive support for the OL1500RTXL2U UPS system.

7.1 Warranty Information

The OL1500RTXL2U comes with a **three-year warranty**, which includes the batteries. Additionally, it is backed by a **\$400,000 Connected Equipment Guarantee**, providing peace of mind for your connected devices.

7.2 Official User Manual and Resources



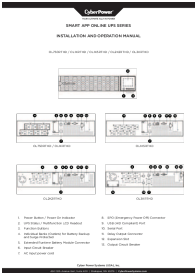
For detailed instructions, advanced configurations, and comprehensive troubleshooting, please refer to the official user manual PDF:

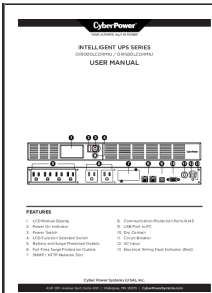
[Download Official User Manual \(PDF\)](#)

No relevant official product videos from the seller were found for this model at this time.

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Related Documents - OL1500RTXL2U

	<p>CyberPower Smart App Online UPS System: Installation and Operation Manual</p> <p>Explore the CyberPower Smart App Online UPS System (OL5KRTHDL/OL6KRTHDL) with this installation and operation manual. Learn about safety, setup, features like double-conversion topology and Smart Battery Management, technical specifications, and troubleshooting for reliable power protection.</p>
	<p>CyberPower BP144VL2U01 SMART APP ONLINE UPS SYSTEM: Installation and Operation Manual</p> <p>Detailed installation and operation manual for the CyberPower BP144VL2U01 SMART APP ONLINE UPS SYSTEM Extended Battery Module. Covers safety, setup, hardware installation, maintenance, troubleshooting, and warranty.</p>
	<p>CyberPower Smart App Online UPS Series Installation and Operation Manual</p> <p>Comprehensive installation and operation manual for CyberPower Smart App Online UPS Series (models OL750RTHD, OL1KRTHD, OL1K5RTHD, OL2K2RTHD, OL3KRTHD), covering setup, basic operation, advanced features, troubleshooting, maintenance, and technical specifications.</p>



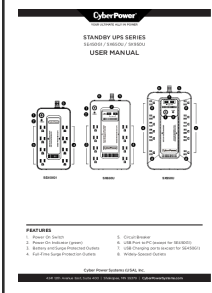
[CyberPower Intelligent UPS Series OR1000LCDRM1U/OR1500LCDRM1U User Manual | Power Protection Guide](#)

Comprehensive user manual for CyberPower Intelligent UPS Series (OR1000LCDRM1U, OR1500LCDRM1U). Learn about installation, features, operation, battery replacement, troubleshooting, technical specs, and safety for reliable power protection.



[CyberPower PS900AVRLCD UPS User Manual: Installation, Operation, and Safety](#)

Comprehensive user manual for the CyberPower PS900AVRLCD Uninterruptible Power Supply (UPS). Covers installation, basic operation, troubleshooting, technical specifications, safety warnings, and warranty information for reliable power protection.



[CyberPower Standby UPS Series SE450G1, SX650U, SX950U User Manual](#)

Comprehensive user manual for CyberPower Standby UPS Series models SE450G1, SX650U, and SX950U. Provides detailed information on features, safety warnings, installation, operation, troubleshooting, technical specifications, and warranty.