

CyberPower PR1500LCD

CyberPower PR1500LCD Smart App Sinewave UPS System Instruction Manual

Model: PR1500LCD | Brand: CyberPower

1. INTRODUCTION

The CyberPower PR1500LCD Smart App Sinewave UPS System is a mini-tower Uninterruptible Power Supply (UPS) featuring line interactive topology. It is designed to provide reliable battery backup, power protection with sine wave output, and surge protection for critical electronic equipment. This system is compatible with corporate servers, department servers, storage appliances, network devices, and telecom installations that require Active PFC power sources.

A key feature of the PR1500LCD is its Automatic Voltage Regulation (AVR) capability. AVR corrects minor power fluctuations without engaging the battery, which significantly extends the battery's lifespan. This is particularly beneficial in environments where power inconsistencies are common.

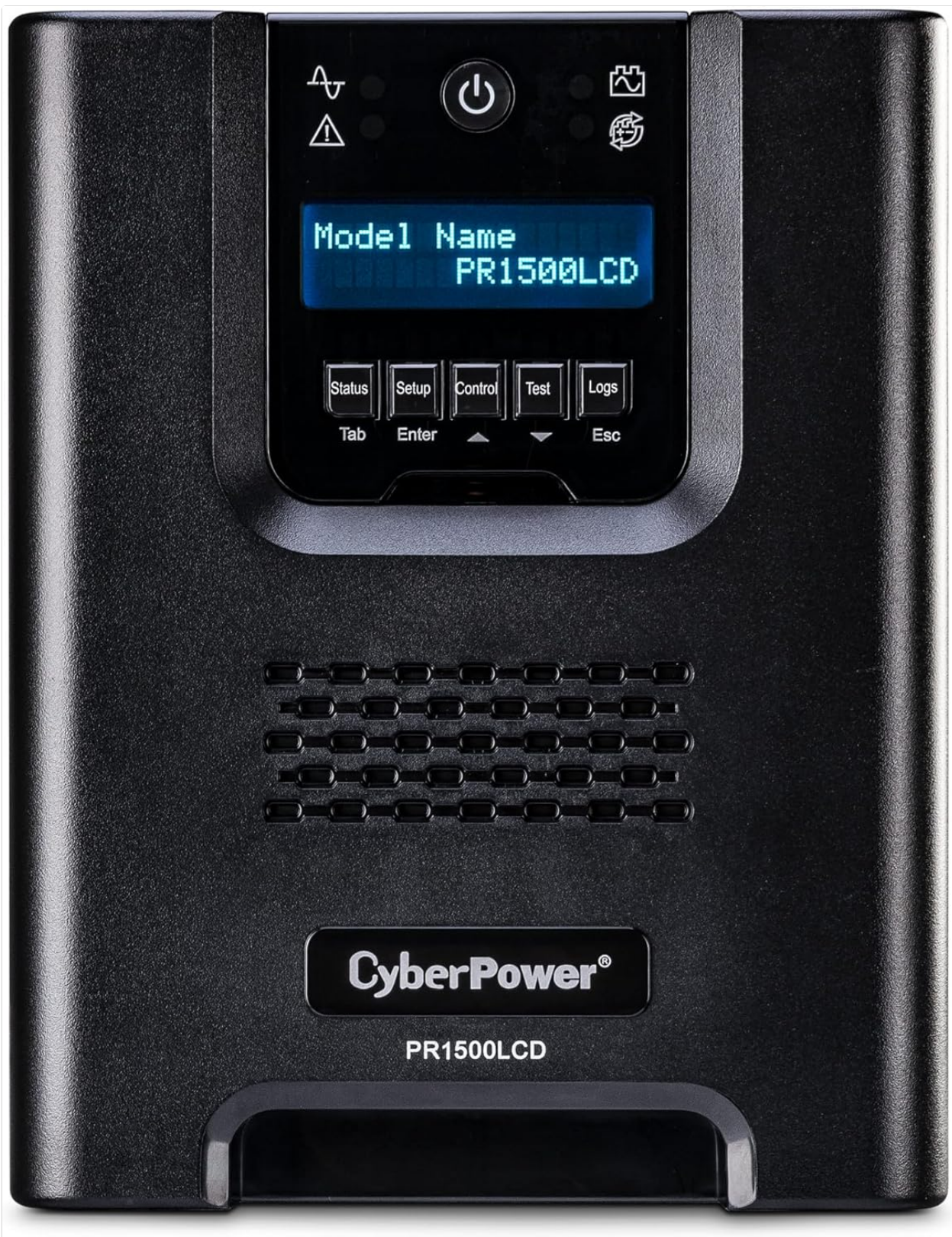


Figure 1: Front view of the CyberPower PR1500LCD Smart App Sinewave UPS System. This image displays the unit's compact mini-tower design with its front-facing LCD panel.

2. KEY FEATURES

- **1500VA/1500W Capacity:** Provides robust power backup and protection for demanding equipment.
- **Smart App Sinewave Output:** Delivers pure sine wave power, ideal for sensitive electronics and Active PFC power supplies.
- **8 NEMA 5-15R Outlets:** Includes both battery backup and surge-protected outlets to safeguard connected

devices.

- **Automatic Voltage Regulation (AVR):** Stabilizes incoming utility power without using battery power, preserving battery life.
- **Extendable Multifunction LCD Panel:** The LCD panel can be detached and relocated up to 4.5 feet away, offering flexible monitoring options. It displays real-time information on battery and power conditions.
- **SNMP/HTTP Remote Monitoring:** Available with the optional RMCARD205 (sold separately) for advanced network management.
- **PowerPanel Business Edition Software:** Free management software available for download, offering comprehensive power management capabilities.



- 8 NEMA 5-15R Surge Protected Outlets
- Extendable Multifunction LCD
- Automatic Voltage Regulation (AVR)
- GreenPower UPS Bypass Design

Figure 2: This image illustrates both the front and back panels of the CyberPower PR1500LCD, emphasizing its 8 NEMA 5-15R outlets, extendable multifunction LCD, Automatic Voltage Regulation (AVR), and GreenPower UPS Bypass Design.



Figure 3: The detachable LCD panel of the CyberPower PR1500LCD is shown being held, demonstrating its portability and ease of remote monitoring.

3. SETUP

3.1 Initial Placement and Connection

Place the CyberPower PR1500LCD in a well-ventilated area, away from direct sunlight, heat sources, or excessive moisture. Ensure the unit is positioned to allow for proper airflow around its vents.

Connect the UPS directly to a grounded wall outlet. Avoid using extension cords or surge protectors with the UPS, as this can compromise its performance and protection capabilities. The unit features a NEMA 5-15P straight plug with a six-foot cord for convenient placement.



Figure 4: The rear panel of the CyberPower PR1500LCD, displaying communication ports (USB, Serial, Network), an expansion port for SNMP card communication, and the NEMA 5-15R outlets, clearly labeled for battery/surge protected and surge-only connections. A circuit breaker reset button is also visible.

3.2 Connecting Equipment

The PR1500LCD features eight NEMA 5-15R outlets. These are divided into two groups: four outlets provide both battery backup and surge protection, while the other four offer surge protection only. Connect critical devices such as servers, network equipment, and computers to the battery backup outlets to ensure continuous power during outages. Non-critical devices can be connected to the surge-only outlets for protection against power spikes.

3.3 Initial Power-Up

After connecting all desired equipment, press the power button on the front panel to turn on the UPS. The LCD panel will illuminate, displaying system status and power information.

Video 1: This video provides a general overview of the CyberPower Smart App Sinewave Mini-Tower LCD UPS, showcasing its design and various features. It offers a visual guide to the unit's physical aspects and functionality.

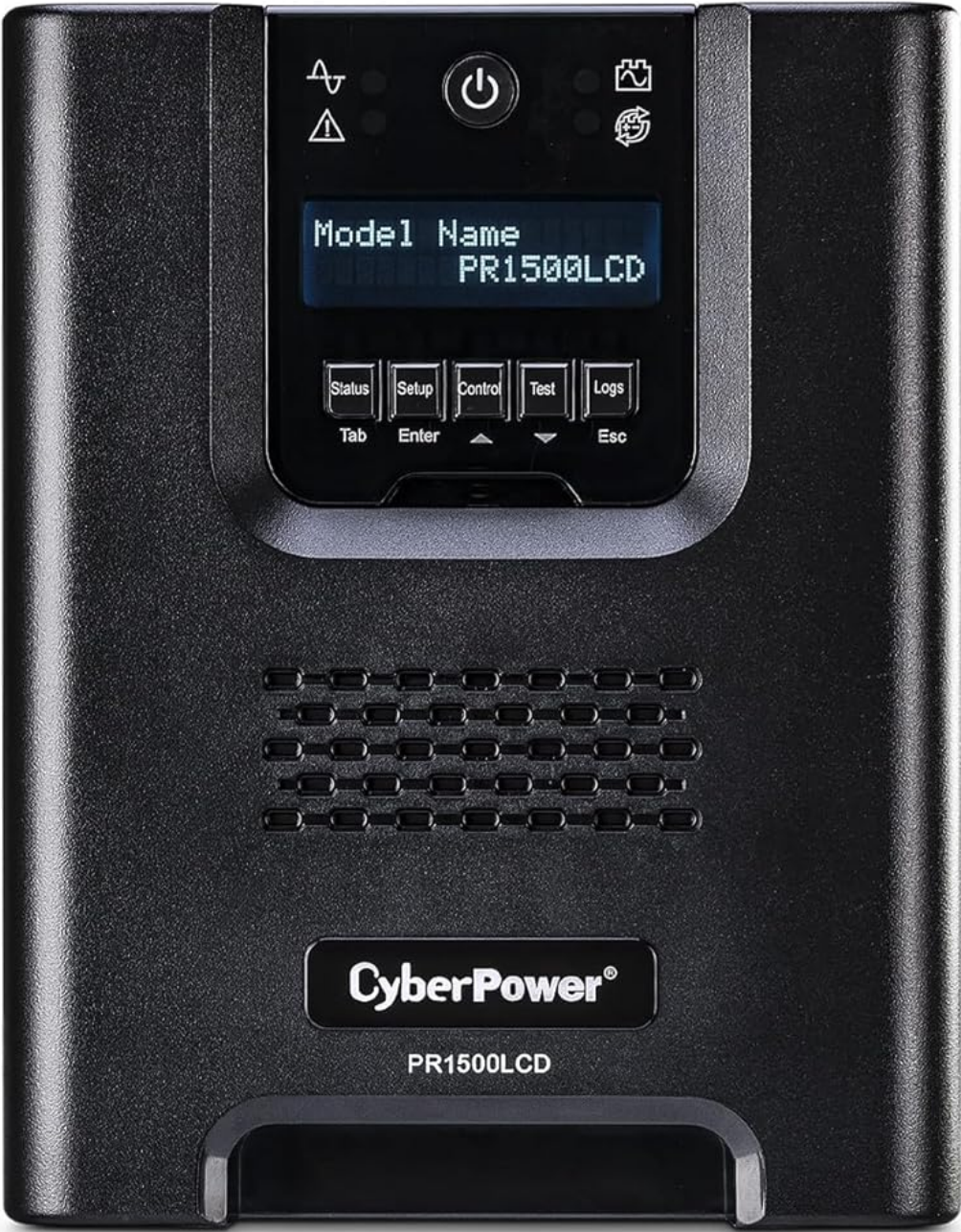
4. OPERATING INSTRUCTIONS

4.1 LCD Panel Functions

The multifunction LCD panel provides real-time information about the UPS status. Use the navigation buttons (Status, Setup, Control, Test, Logs) to cycle through various display modes and settings:

- **Status:** Displays current operating mode, input/output voltage, battery charge level, and estimated runtime.
- **Setup:** Allows configuration of various UPS parameters, such as alarm settings, output voltage, and power-saving modes.
- **Control:** Provides options to perform actions like battery self-test or turn off/on specific outlets.
- **Test:** Initiates a battery self-test to check battery health and capacity.
- **Logs:** Accesses event logs, including power events, battery usage, and system alerts.

PR1500LCD RUNTIME EXAMPLES



Popular Devices Wattage	Minutes of Runtime
30W	39 min.
500W	22 min.
700W	16 min.
900W	10 min.
1100W	8 min.

Figure 5: The LCD panel displays estimated runtime examples for different wattage loads, providing users with an

4.2 PowerPanel Business Edition Software

For advanced monitoring and management, download and install the free PowerPanel Business Edition software from the CyberPower website. This software allows you to:

- Monitor UPS status, battery health, and power conditions remotely.
- Configure automatic shutdown sequences for connected devices during extended power outages.
- Receive notifications for power events and system alerts.
- Schedule UPS self-tests and manage power-saving settings.

Video 2: This video demonstrates how to configure NAS auto-shutdown settings using a UPS, which is a common feature supported by PowerPanel Business Edition software for data protection.

5. MAINTENANCE

5.1 Battery Replacement

The CyberPower PR1500LCD uses two 12V sealed lead-acid batteries. The typical lifespan of these batteries is 3-6 years, depending on usage and environmental conditions. When the batteries reach the end of their service life, the UPS will typically indicate a battery fault or a significant reduction in runtime.

To replace the batteries:

1. Ensure the UPS is completely powered off and disconnected from the wall outlet and all connected devices.
2. Refer to the detailed instructions in the full user manual for specific steps on accessing the battery compartment. This usually involves removing a front panel or side cover.
3. Carefully disconnect the old batteries, noting the polarity (positive and negative terminals).
4. Remove the old batteries and insert the new, compatible replacement batteries.
5. Reconnect the battery terminals, ensuring correct polarity.
6. Reassemble the UPS covers and reconnect it to the power source. Allow the new batteries to charge fully before relying on them for backup power.

Always dispose of old batteries responsibly according to local regulations.

6. TROUBLESHOOTING

If you encounter issues with your CyberPower PR1500LCD, consider the following general troubleshooting steps:

- **No Power/No Display:** Ensure the UPS is properly plugged into a live wall outlet. Check the circuit breaker on the back of the UPS and reset if tripped.
- **UPS Beeping Continuously:** This often indicates a power outage or low battery. Check your utility power. If power is present, the battery may be low and require charging or replacement.
- **Connected Devices Not Receiving Power:** Verify that devices are plugged into the battery backup outlets (not surge-only). Check the power cords of connected devices.
- **Short Runtime:** If the UPS provides significantly less backup time than expected, the batteries may be aging and require replacement. Perform a battery self-test via the LCD panel or PowerPanel software.
- **Overload Indicator:** If the UPS displays an overload warning, disconnect non-essential equipment from the battery backup outlets to reduce the load.

For more detailed troubleshooting, refer to the complete user manual or contact CyberPower customer support.

7. SPECIFICATIONS

Specification	Value
Model Number	PR1500LCD
Capacity (VA/Watts)	1500VA / 1500W
Topology	Line Interactive
Output Waveform	Pure Sinewave
Input Voltage	120 Volts
Outlets	8 NEMA 5-15R (4 Battery/Surge, 4 Surge-only)
Battery Type	Sealed Lead Acid (2 x 12V batteries included)
Automatic Voltage Regulation (AVR)	Yes
Product Dimensions (D x W x H)	17 x 6.7 x 8.7 inches
Item Weight	3.38 pounds
Manufacturer	CyberPower Systems
First Available Date	May 24, 2012



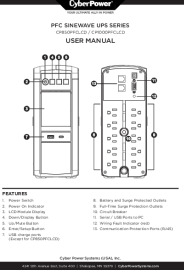
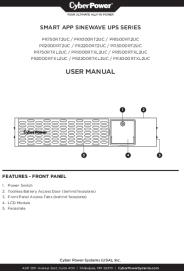

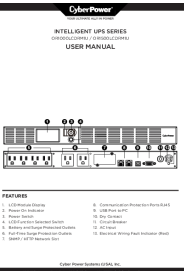


Figure 6: This image provides a visual representation of the CyberPower PR1500LCD's dimensions, including its height (8.70 inches), width (6.70 inches), and depth (17.00 inches).

8. WARRANTY AND SUPPORT

The CyberPower PR1500LCD Smart App Sinewave UPS System comes with a **3-year warranty**, which includes the battery. Additionally, it is backed by a **\$375,000 Connected Equipment Guarantee**, providing peace of mind for your valuable electronics.

For technical support, warranty claims, or to download the latest PowerPanel Business Edition software, please visit the official CyberPower Systems website or contact their customer service department.

	<p>CyberPower Smart App Sinewave Series UPS User's Manual</p> <p>User's manual for CyberPower Smart App Sinewave Series UPS models PR1000LCDRTL2Ua, PR1500LCDRTL2U, and PR2200LCDRTL2U, detailing installation, operation, safety precautions, troubleshooting, technical specifications, and warranty information.</p>
	<p>CyberPower Smart App Sinewave Series UPS User's Manual</p> <p>User's manual for CyberPower Smart App Sinewave Series UPS models PR1000LCDRT2U, PR1000LCDRTL2U, PR1500LCDRT2U, and PR2200LCDRT2U, covering installation, operation, troubleshooting, specifications, and warranty information.</p>
	<p>CyberPower PFC Sinewave UPS Series User Manual: CP850PFCLCD / CP1000PFCLCD</p> <p>User manual for CyberPower PFC Sinewave UPS Series models CP850PFCLCD and CP1000PFCLCD, detailing installation, operation, safety guidelines, battery replacement, troubleshooting, and technical specifications.</p>
	<p>CyberPower Smart App Sinewave UPS Series User Manual</p> <p>Comprehensive user manual for CyberPower Smart App Sinewave UPS Series, detailing installation, operation, features like AVR and GreenPower technology, and troubleshooting for models PR750RT2UC through PR3000RTL2UC.</p>
	<p>CyberPower AVR UPS Series AVR750U/AVR900U User Manual</p> <p>User manual for CyberPower AVR UPS Series models AVR750U and AVR900U, providing installation, operation, safety, and troubleshooting information for these uninterruptible power supply units.</p>
	<p>CyberPower Intelligent UPS Series OR1000LCDRM1U/OR1500LCDRM1U User Manual Power Protection Guide</p> <p>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.</p>