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Tripp Lite OMNIVS1200LCD

Tripp Lite OMNIVS1200LCD 1200VA Pure Sine Wave UPS Instruction Manual

Model: OMNIVS1200LCD

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Tripp Lite OMNIVS1200LCD 1200VA Pure Sine Wave Uninterruptible Power Supply (UPS). This device offers reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges, and line noise. It is designed to protect sensitive electronics such as computers, routers, printers, HDTVs, and security systems.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Connect the UPS to a properly grounded AC power outlet. Do not remove the grounding prong.
- **Placement:** Position the UPS in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. Ensure adequate airflow around the unit.
- **Overload:** Do not overload the UPS outlets. The total equipment load should not exceed the UPS's rated capacity (600W).
- **Battery Safety:** The internal battery is not user-serviceable. Refer to qualified service personnel for battery replacement. Do not dispose of batteries in a fire, as they may explode.
- **Liquid Exposure:** Avoid exposing the UPS to liquids.
- **RJ45 Ports:** The RJ45 jacks are for data line surge protection only and are not compatible with Power over Ethernet (PoE) applications.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Tripp Lite OMNIVS1200LCD UPS Unit
- USB Cable
- Instruction Manual (this document)

4. PRODUCT OVERVIEW

The Tripp Lite OMNIVS1200LCD UPS features a compact tower design with an intuitive LCD display and multiple outlets for comprehensive power protection.



Figure 4.1: Front view of the OMNIVS1200LCD UPS, highlighting the LCD display and power button.



Figure 4.2: Rear view of the OMNIVS1200LCD UPS, illustrating the outlet configuration and communication ports.

4.1 Front Panel

- **LCD Touchscreen:** Displays real-time UPS and power status, including voltage, load, and battery data.
- **Power Button:** Used to turn the UPS on or off.

4.2 Rear Panel

- **Battery/Surge Protected Outlets (x6):** Provide both battery backup and surge suppression for critical equipment.
- **Surge Protected Outlets (x2):** Offer surge suppression only for non-critical peripherals.
- **USB Port:** Connects to a computer for power management and graceful shutdowns using PowerAlert

software.

- **RJ45 Jacks (1 In/1 Out):** Provide surge protection for telephone/network lines.
- **AC Input Cord:** 5-ft. (1.52 m) cord with NEMA 5-15P plug for connection to a standard wall outlet.

5. SETUP

5.1 Initial Placement

Place the UPS on a stable, flat surface in an environment with adequate ventilation. Avoid placing it near windows, heat sources, or areas with high humidity.

5.2 Connecting to AC Power

1. Plug the UPS's 5-ft. (1.52 m) AC input cord into a properly grounded NEMA 5-15R wall outlet.
2. Allow the UPS to charge for 24 hours before initial use to ensure full battery capacity. The UPS will charge whether it is turned on or off.

5.3 Connecting Equipment

1. Plug critical equipment (e.g., computer, monitor) into the six **Battery/Surge Protected** outlets. These outlets provide continuous power during outages.
2. Plug non-critical equipment (e.g., printer, speakers) into the two **Surge Protected** outlets. These outlets only provide surge protection and do not offer battery backup.
3. Ensure the total load connected to the UPS does not exceed 600W.

5.4 Connecting USB for Software

Connect the included USB cable from the UPS's USB port to your computer's USB port. Download and install Tripp Lite's PowerAlert software from the official Tripp Lite website to enable advanced power management features, including graceful system shutdowns during prolonged power failures. The UPS is also HID-compliant and works with built-in power management features of Windows, Mac, and Linux operating systems.

5.5 Connecting Tel/DSL/Ethernet

For surge protection of your telephone or network line, connect your incoming line to the RJ45 'IN' jack on the UPS and then connect the 'OUT' jack to your device (e.g., modem, router). **Note:** These ports are not for Power over Ethernet (PoE) applications.

6. OPERATING INSTRUCTIONS

6.1 Turning the UPS On/Off

- **To Turn On:** Press and hold the Power Button for approximately one second until you hear a beep. The LCD will illuminate.
- **To Turn Off:** Press and hold the Power Button for approximately one second until you hear a beep and the LCD turns off.

6.2 LCD Touchscreen Display

The LCD touchscreen provides five screens of real-time information about the UPS and site power conditions. Tap the screen to cycle through displays such as:

- Input Voltage

- Output Voltage
- Load Percentage
- Battery Charge Level
- Estimated Runtime
- Fault Conditions

6.3 Audible Alarms

The UPS emits audible alarms to indicate specific conditions:

- **Low Battery:** Indicates the battery charge is critically low during a power outage.
- **Excessive Load:** Warns of an overload condition on the UPS outlets.
- **Fault Condition:** Signals an internal error or malfunction.

6.4 Automatic Voltage Regulation (AVR)

The OMNIVS1200LCD features Automatic Voltage Regulation (AVR) to protect your equipment from voltage fluctuations. It automatically corrects brownouts as low as 89V and overvoltages as high as 145V back to a nominal 120V output without using battery power. This ensures a stable power supply and prolongs battery life.

7. MAINTENANCE

7.1 Battery Replacement

The UPS contains a replaceable internal battery. The typical battery lifespan is 3-5 years, depending on usage and environmental conditions. When the battery needs replacement, the UPS may indicate a fault or reduced runtime. Contact Tripp Lite customer support or a qualified service technician for battery replacement. Do not attempt to replace the battery yourself unless you are a qualified professional.

7.2 Cleaning

Periodically clean the exterior of the UPS with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and obstructions.

7.3 Storage

If storing the UPS for an extended period, ensure the battery is fully charged. Recharge the battery every 3-6 months to prevent permanent damage. Store the unit in a cool, dry place.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your UPS. For more detailed troubleshooting, refer to the PowerAlert software documentation or contact Tripp Lite support.

Problem	Possible Cause	Solution
UPS does not turn on.	Not connected to AC power; Battery discharged.	Ensure UPS is plugged into a live, grounded outlet. Allow 24 hours for initial battery charge.
Short battery backup time.	Battery not fully charged; Battery nearing end of life; Overload.	Allow battery to charge for 24 hours. Reduce connected load. Consider battery replacement if old.

Problem	Possible Cause	Solution
UPS emits continuous alarm.	Overload condition; Internal fault.	Reduce connected load. If alarm persists, disconnect equipment and contact support.
LCD shows 'Fault' message.	Internal malfunction.	Turn off UPS, disconnect from AC, wait 1 minute, then restart. If fault persists, contact support.

9. SPECIFICATIONS

Feature	Specification
Model	OMNIVS1200LCD
Capacity (VA/Watts)	1200VA / 600W
Input Voltage	120V AC
Input Plug	NEMA 5-15P (5 ft. cord)
Output Outlets	8 x NEMA 5-15R (6 Battery/Surge, 2 Surge-only)
Waveform	Pure Sine Wave (AC mode), PWM Sine Wave (Battery mode)
Automatic Voltage Regulation (AVR)	Corrects 89V-145V to 120V
Surge Energy Rating	316 Joules
Data Line Protection	RJ45 (Tel/DSL/Ethernet)
Battery Type	Sealed Lead Acid
Dimensions (H x W x D)	7.5 x 5.5 x 15 inches (19.05 x 13.97 x 38.1 cm)
Weight	19.2 lbs (8.71 kg)

10. WARRANTY AND SUPPORT

10.1 Product Warranty

The Tripp Lite OMNIVS1200LCD UPS is covered by a **3-Year Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

10.2 Connected Equipment Insurance

This product includes **\$200,000 Ultimate Lifetime Connected Equipment Insurance**. This insurance provides protection for equipment properly connected to the UPS against surge damage. Refer to the official Tripp Lite warranty documentation for full terms and conditions.

10.3 Technical Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Tripp Lite's expert technical

support team. Contact information can typically be found on the official Tripp Lite website or on the product packaging.