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Luminous B012SV06ZM

Luminous Pro UPS 2250VA/24V Instruction Manual

Model: B012SV06ZM

INTRODUCTION

Thank you for choosing the Luminous Pro UPS 2250VA/24V. This Uninterruptible Power Supply (UPS) is designed to provide reliable power backup for your home or office appliances. Please read this manual carefully before installation and operation to ensure proper use and to maximize the lifespan of your unit. Keep this manual for future reference.

IMPORTANT SAFETY INSTRUCTIONS

- **Read all instructions:** Before operating the UPS, read all safety and operating instructions.
- **Indoor use only:** This UPS is designed for indoor use in a controlled environment. Do not expose to rain, snow, or direct sunlight.
- **Proper ventilation:** Ensure adequate ventilation around the UPS. Do not block ventilation openings.
- **Electrical safety:** Connect the UPS to a properly grounded outlet. Do not remove the grounding prong.
- **Battery handling:** Batteries can present a risk of electrical shock and high short-circuit current. Observe proper precautions.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to service the UPS yourself.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Luminous Pro UPS 2250VA/24V Unit
- User Manual
- Warranty Card

- Battery Connection Cables (if applicable)

PRODUCT OVERVIEW

Front Panel



Figure 1: Front Panel of the Luminous Pro UPS 2250VA/24V. This image displays the main casing with the Luminous brand name prominently displayed, along with the model designation "PRO UPS 2250" and a power button on the right side. The unit has a silver and grey finish.

The front panel features the main power switch and indicator lights (not explicitly visible in the image but standard for UPS units) that show the operational status of the UPS, such as Mains On, Battery Mode, Overload, and Battery Low.

Rear Panel



Figure 2: Rear Panel of the Luminous Pro UPS 2250VA/24V. This view shows the various connection points including battery terminals (positive and negative), AC output sockets for connecting appliances, the mains input cable, a cooling fan, and a circuit breaker (Mains MCB). A product label with serial number 12FAE8B1003169 is also visible.

The rear panel provides all necessary connections for the battery, mains input, and output to your appliances. It also includes a cooling fan for thermal management and a circuit breaker for protection.

- **Battery Terminals:** Connect to external 24V battery bank.
- **Output Sockets:** For connecting loads (appliances).
- **Mains Input:** Connect to the utility power supply.
- **Mains MCB:** Main Circuit Breaker for overload protection.
- **ECO/UPS Switch:** Selects between ECO mode (energy saving) and UPS mode (priority to power backup).
- **Battery Type Selector:** Switch for selecting between Tubular, Flat Plate, or Local battery types.

SETUP INSTRUCTIONS

1. **Unpacking:** Carefully unpack the UPS and inspect for any shipping damage.
2. **Placement:** Place the UPS in a cool, dry, well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure sufficient clearance around the unit for airflow.

3. **Battery Connection:**

- Ensure the UPS is OFF and disconnected from the mains supply.
- Connect the positive (+) terminal of the battery to the positive (+) terminal on the UPS.
- Connect the negative (-) terminal of the battery to the negative (-) terminal on the UPS.
- Ensure connections are tight and secure.

4. **Battery Type Selection:** Set the battery type selector switch on the rear panel to match your installed battery (Tubular, Flat Plate, or Local).

5. **Mains Connection:** Plug the UPS mains input cable into a grounded wall outlet.

6. **Load Connection:** Connect your appliances (loads) to the output sockets on the rear panel of the UPS. Do not overload the UPS beyond its rated capacity.

OPERATING INSTRUCTIONS

1. **Powering On:** Press and hold the power button on the front panel for a few seconds until the UPS powers on. The indicator lights will illuminate.

2. **Initial Charging:** Allow the UPS to charge the connected batteries for at least 10-12 hours before using it for backup, even if the battery indicator shows full.

3. **ECO/UPS Mode Selection:**

- **UPS Mode:** Provides continuous power backup with minimal transfer time during power outages. Recommended for sensitive electronics.
- **ECO Mode:** Prioritizes energy saving by bypassing the inverter when mains power is stable. The inverter only activates during power cuts.

Select the desired mode using the switch on the rear panel.

4. **Power Outage:** In case of a power outage, the UPS will automatically switch to battery mode, providing power to connected appliances. An audible alarm may sound.

5. **Low Battery Warning:** When the battery level is low, the UPS will typically emit a continuous alarm and/or show a specific indicator. Save your work and shut down connected devices.

6. **Powering Off:** To turn off the UPS, first shut down all connected appliances. Then, press and hold the power button on the front panel until the UPS powers off. Disconnect from mains if not in use for an extended period.

MAINTENANCE

- **Regular Cleaning:** Keep the UPS clean and free from dust. Use a dry cloth to wipe the exterior. Do not use liquid cleaners.
- **Ventilation:** Ensure ventilation openings are clear of obstructions.
- **Battery Care:**
 - For optimal battery life, avoid frequent deep discharges.
 - If the UPS is not used for an extended period, charge the batteries every 3 months to prevent deep discharge.
 - Check battery terminals periodically for corrosion and clean if necessary.
- **Environmental Conditions:** Operate the UPS within the specified temperature and humidity ranges.

TROUBLESHOOTING

Problem	Possible Cause	Solution
UPS does not turn on.	No mains power; Battery not connected or discharged.	Check mains power supply; Ensure battery connections are secure and battery is charged.
UPS beeps continuously.	Overload; Low battery.	Reduce connected load; Allow battery to charge.
Short backup time.	Battery not fully charged; Battery nearing end of life; Overload.	Allow battery to fully charge; Consider battery replacement; Reduce connected load.
No output in battery mode.	Battery deeply discharged; Internal fault.	Allow UPS to charge for several hours; Contact customer support if problem persists.

If the problem persists after trying the above solutions, please contact Luminous customer support.

SPECIFICATIONS

- **Model:** B012SV06ZM
- **Capacity:** 2250VA / 24V
- **Input Voltage:** (Typically 230V AC, range varies by model)
- **Output Voltage:** (Typically 230V AC)
- **Battery Voltage:** 24 Volts (requires two 12V batteries in series)
- **Material:** Metal, Plastic
- **Color:** Silver & Grey
- **Item Weight:** 20 kg 200 g
- **Manufacturer:** Luminous
- **Form Factor:** Rack (as per specifications, though images suggest a desktop unit)

Note: Specific input/output voltage ranges and other detailed electrical specifications can be found on the product label or in the full technical datasheet.

WARRANTY AND SUPPORT

The Luminous Pro UPS 2250VA/24V comes with a **24-month warranty** from the date of purchase. Please retain your purchase receipt and warranty card for any warranty claims.

For technical assistance, service, or warranty inquiries, please contact Luminous customer support.

Contact details can typically be found on the Luminous official website or on your warranty card.

Manufacturer: Luminous

Item Model Number: B012SV06ZM