

## Luminous Zolt 1100

# Luminous Zolt 1100 Pure Sine Wave Inverter User Manual

Model: Zolt 1100

## 1. PRODUCT OVERVIEW

The Luminous Zolt 1100 is a Pure Sine Wave Inverter designed to provide reliable power backup for homes, offices, and shops. It features advanced technology to ensure stable and clean power output, protecting sensitive electronic appliances.

### Key Features:

- **Pure Sine Wave Technology:** Delivers clean and stable power, protecting sensitive electronics and appliances from damage, and ensuring they run smoothly and efficiently.
- **High Capacity Power Backup:** With a VA rating of 900VA, this inverter ensures reliable power for essential devices, keeping your home, office, or shop functional during power cuts.
- **LCD Display:** Features an easy-to-read LCD display that provides real-time information on battery status, load levels, and more.
- **Enhanced Efficiency:** Designed for optimal performance, ensuring your devices run efficiently during power outages.
- **Extended Warranty:** Enjoy a 36-month warranty, providing long-term assurance and support for your power backup needs.



Image 1.1: Front view of the Luminous Zolt 1100 Pure Sine Wave Inverter.

## 2. SAFETY INFORMATION

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Please read and understand all safety instructions before installing or operating the Luminous Zolt 1100 Inverter. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure all electrical connections are made by a qualified electrician. Do not open the inverter casing; there are no user-serviceable parts inside.
- **Ventilation:** Install the inverter in a well-ventilated area to prevent overheating. Maintain adequate clearance around the unit.
- **Battery Safety:** Batteries contain corrosive acid. Wear protective eyewear and gloves when handling batteries. Keep batteries away from open flames or sparks.
- **Environment:** Do not expose the inverter to rain, moisture, direct sunlight, or extreme temperatures. Keep out of reach of children.

- **Overload Protection:** Do not overload the inverter beyond its specified capacity (900VA). Overloading can damage the unit and connected appliances.

### 3. PACKAGE CONTENTS

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Upon unpacking, please verify that all items listed below are present:

- 1 x Luminous Zolt 1100 Pure Sine Wave Inverter
- 1 x Operating Manual (this document)

### 4. PRODUCT COMPONENTS

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#### Front Panel:

The front panel features the intuitive LCD display and control button for monitoring and setting inverter parameters.

**LUMINOUS**

ENJOY SILENT  
AND  
**SMOOTH POWER!**



Image 4.1: Detailed view of the Luminous Zolt 1100 front panel, highlighting the LCD screen and inverter reset switch.

### **Rear Panel:**

The rear panel houses all necessary connection ports and switches for installation and operation.

# SMART AND INTUITIVE DESIGN



Image 4.2: Rear panel of the Luminous Zolt 1100, showing battery terminals, cooling fan, AC output, and various mode selectors.

## Video: Luminous Zolt 1100 Intelligent Home UPS Overview

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Video 4.1: This video provides a detailed look at the Luminous Zolt 1100, showcasing its intelligent DSP processor, faster charging, efficient output, pure sine wave technology, noiseless functioning, and safety features. It also demonstrates the intuitive LCD display with ECO/UPS mode, backup time, charging time, battery modes (SMF, Tubular, Flat Plate), and fault indicators like low battery and MCB trip. The video concludes by illustrating the rear panel components including the water level indicator, cooling fan, ECO/UPS mode switch, battery selector, AC output, external MCB, and bypass mode switch.

## 5. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your inverter. It is highly recommended that installation be performed by a certified electrician.

## Installation Steps:

1. **Placement:** Choose a dry, well-ventilated area, away from direct sunlight, heat sources, and flammable materials. Ensure the inverter is placed on a stable, flat surface.
2. **Battery Connection:** Connect the battery cables to the inverter's battery terminals, ensuring correct polarity (red to positive, black to negative). Tighten connections securely.
3. **Battery Type Selection:** Use the battery selector switch on the rear panel to match the type of battery connected (e.g., Tubular, Flat Plate, SMF). Refer to the LCD display section for details.
4. **AC Input Connection:** Plug the inverter's AC input cord into a properly grounded wall outlet.
5. **Load Connection:** Connect your appliances to the AC output sockets on the inverter. Ensure the total load does not exceed the inverter's capacity.
6. **Power On:** Switch on the inverter using the main power switch. The LCD display will illuminate.

## 6. OPERATING INSTRUCTIONS

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### Powering On/Off:

- To power on, press the main power switch located on the rear panel.
- To power off, switch off the main power switch.

### Understanding the LCD Display:

The LCD display provides critical information about the inverter's status:

- **Battery Status:** Shows the current charge level of the connected battery.
- **Load Levels:** Indicates the percentage of load connected to the inverter.
- **Backup Time:** Estimates the remaining backup time based on current load and battery charge.
- **Charging Time:** Displays the estimated time to fully charge the battery.
- **Fault Indicators:** Alerts for various issues such as overload, low battery, or MCB trip.
- **Battery Modes:** Shows the selected battery type (SMF, Tubular, Flat Plate).

### ECO/UPS Mode Selection:

The inverter offers two operational modes:

- **UPS Mode:** Provides a stable output voltage, ideal for sensitive electronic devices like computers, ensuring uninterrupted power.
- **ECO Mode:** Offers a wider input voltage range, reducing battery usage and extending battery life, suitable for less sensitive appliances.

Use the ECO/UPS mode switch on the rear panel to select the desired mode.

### Video: Luminous Zolt 1100 Product Features

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Video 6.1: This video highlights key features of the Luminous Zolt 1100, including its high capacity power backup (900VA), pure sine

wave technology for sensitive electronics, enhanced efficiency, and the informative LCD display. It also provides a buying guide for home inverter and battery combinations based on room size and appliance types, illustrating recommended VA and battery Ah ratings for various setups.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Luminous Zolt 1100 Inverter and connected battery.

- **Battery Water Level (for lead-acid batteries):** Periodically check the electrolyte level in your battery. If low, top up with distilled water only.
- **Terminal Cleaning:** Keep battery terminals clean and free from corrosion. Apply petroleum jelly to prevent oxidation.
- **Inverter Cleaning:** Keep the inverter's exterior clean and free from dust. Ensure ventilation openings are not blocked. Use a dry cloth for cleaning.
- **Ventilation:** Ensure the inverter is always in a well-ventilated space to allow for proper heat dissipation.

## 8. TROUBLESHOOTING

This section addresses common issues you might encounter with your inverter. For problems not listed here, please contact customer support.

| Problem                     | Possible Cause                                              | Solution                                                                   |
|-----------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------|
| Inverter not turning on     | No AC input; loose battery connections; discharged battery. | Check AC input supply; ensure battery terminals are tight; charge battery. |
| Low backup time             | Overloaded; battery degradation; insufficient charging.     | Reduce load; check battery health; ensure proper charging.                 |
| Overload indication         | Too many appliances connected.                              | Disconnect some appliances to reduce the load.                             |
| MCB Trip Indicator (bEP)    | Overload or short circuit.                                  | Reduce load, check for short circuits, then reset the MCB.                 |
| Low Battery Indicator (Lbt) | Battery charge is critically low.                           | Connect to mains power to recharge the battery immediately.                |

## 9. TECHNICAL SPECIFICATIONS

| Specification | Value    |
|---------------|----------|
| Brand         | Luminous |

| Specification           | Value                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number            | ZOLT1100                                                                                                                                                        |
| VA Rating               | 900VA                                                                                                                                                           |
| Wattage                 | 2940 Watts (Note: This wattage seems high for a 900VA inverter, typically 900VA would be around 720W. Please refer to product label for actual output wattage.) |
| Power Source            | Battery Powered                                                                                                                                                 |
| Item Weight             | 10 kg 600 g                                                                                                                                                     |
| Item Dimensions (LxWxH) | 27.9 x 24.9 x 12.7 Centimeters                                                                                                                                  |
| Country of Origin       | India                                                                                                                                                           |

## 10. WARRANTY AND SUPPORT

The Luminous Zolt 1100 Inverter comes with a **36-month warranty**, providing long-term assurance and support. For any technical assistance, service requests, or warranty claims, please contact Luminous customer support.

### Extended Warranty Options:

Additional extended warranty plans are available for purchase:

- 1 Year Extended Warranty Plan by Onsitego
- 2 Year Extended Warranty Plan by Onsitego

For further details on warranty terms and conditions, or to purchase an extended warranty, please refer to your purchase documentation or visit the official Luminous website.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question