

[Manuals.plus](#) /

› [Luminous](#) /

› Luminous Power Sine 1100 Inverter Instruction Manual

Luminous Power-Sine-1100

Luminous Power Sine 1100 Inverter Instruction Manual

Your Guide to Reliable Power Backup



1. PRODUCT OVERVIEW

The Luminous Power Sine 1100 is a Pure Sine Wave 900VA/12V Inverter designed to provide reliable power backup for homes, offices, and shops. It ensures high performance and easy installation, backed by a comprehensive 36-month warranty.

Key Features:

- **Extended Warranty:** Enjoy peace of mind with a comprehensive 36-month warranty, ensuring long-term reliability and support for your power backup needs.
- **High Efficiency:** Designed for optimal performance, the Luminous Power Sine 1100 Inverter delivers efficient power conversion, reducing energy consumption and saving on electricity bills.
- **Adequate Capacity:** With a capacity of 900VA/12V, this inverter is perfect for homes, offices, and shops, providing sufficient power to run essential appliances and devices during outages.
- **Advanced Features:** Equipped with a pure sinewave output, the inverter ensures the safety and longevity of your sensitive electronics, offering a stable and clean power supply.
- **User-Friendly Display:** The LCD display provides real-time information on battery status, load levels, and system alerts, making it easy to monitor and manage your power backup system.

LUMINOUS

TOUGHEST SINE WAVE INVERTER



PURE SINE
WAVE



EXPRESS BATTERY
CHARGING FROM
95V



SAFE FOR
APPLIANCES



RELIABLE
LONG-LASTING
PERFORMANCE



Image: Key features of the Luminous Power Sine 1100 Inverter, highlighting Pure Sine Wave, Express Battery Charging, Safe for Appliances, and Reliable Long-Lasting Performance.

2. SETUP AND INSTALLATION

The Luminous Power Sine 1100 Inverter is designed for straightforward installation. Please follow these steps carefully to ensure proper and safe operation.

2.1. Unpacking and Inspection

- Carefully remove the inverter from its packaging.
- Verify that all included components are present: 1 Inverter.
- Inspect the inverter for any physical damage. If damage is found, do not proceed with installation and contact customer support.

2.2. Battery Connection

This inverter is compatible with 1 unit of 12V inverter battery with a capacity ranging from 80Ah to 220Ah. It supports all types of batteries such as flat plate, tubular, and SMF. Ensure the battery is purchased separately.

1. Place the inverter on a stable, flat surface, ensuring adequate ventilation around the unit.
2. Connect the red cable from the inverter to the positive (+) terminal of the 12V battery.
3. Connect the black cable from the inverter to the negative (-) terminal of the 12V battery.
4. Ensure all connections are tight and secure to prevent loose contacts and sparking.

COMPACT DESIGN WITH POWERFUL PERFORMANCE



Image: The Luminous Power Sine 1100 Inverter positioned above a battery, illustrating its role as a reliable power partner.

2.3. Mains Power Connection

Plug the inverter's mains power cord into a suitable wall outlet. The inverter will begin charging the battery if it is not fully charged.

3. OPERATING INSTRUCTIONS

Understand the various modes and indicators to effectively operate your Luminous Power Sine 1100 Inverter.

3.1. Front Panel Indicators

The inverter features a user-friendly LCD display and LED indicators that provide real-time information on battery status, load levels, and system alerts.

SMART INDICATORS FOR BETTER PERFORMANCE!



Image: Close-up of the Luminous Power Sine 1100 Inverter's front panel, showing indicators for Mains, Charging, ECO, UPS, Low Battery, Overload, and On/Off Switch.

- **Mains:** Indicates that the inverter is receiving power from the main electricity supply.
- **Charging:** Illuminates when the battery is being charged.
- **ECO:** Indicates the inverter is operating in Eco Mode.
- **UPS:** Indicates the inverter is operating in UPS Mode.
- **Low Battery:** Warns when the battery charge is low and requires charging.
- **Overload:** Indicates that the connected load exceeds the inverter's capacity.
- **On/Off Switch:** Used to power the inverter on or off.

3.2. ECO Mode and UPS Mode

The inverter offers two operational modes to suit different needs:

- **UPS Mode:** This mode keeps a stable output voltage between 180V-250V, which is ideal for sensitive appliances like computers, kitchen appliances, etc.
- **ECO Mode:** This mode works in a wide voltage band, reduces energy consumption, and increases battery life.

ECO and UPS mode can be selected by pressing the ON/OFF switch for 3 seconds.

3.3. Load Capacity and Backup Time

The Luminous Power Sine 1100 has a VA rating of 900 VA and a peak load capacity of 565 W. Below is a general guide for appliance compatibility and estimated backup times.

SILENT PERFORMANCE FOR A STRESS-FREE LIFE



Image: Chart detailing VA Rating (900 VA), Peak Load (565 W), Load Capacity for various appliances (TV, LED Bulb, Fan, Tubelight, Laptop, WiFi Router), and Backup Time for 150 Ah and 200 Ah batteries at 50% and 75% load.

Note: Battery has to be purchased separately. Load chart represents indicative loads which can be run on the inverter. For effective results, it is recommended to run loads not more than 80% of the peak load. Backup time depends on power consumption of the appliances and health/age of the inverter. Backup times mentioned are for a new and fully charged battery under test environment.

3.4. Product Overview Video

Your browser does not support the video tag.

Video: A brief product overview of the Luminous Power Sine 1100 Inverter, showcasing its features and design.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Luminous Power Sine 1100 Inverter.

- Keep the inverter in a clean, dry, and well-ventilated area. Avoid direct sunlight and moisture.
- Ensure that the ventilation openings are not blocked to allow proper airflow and prevent overheating.
- Periodically check battery terminals for corrosion and clean them if necessary.
- The inverter features an inbuilt intelligent thermal management system to shut down the system in case of overheating, protecting the unit.

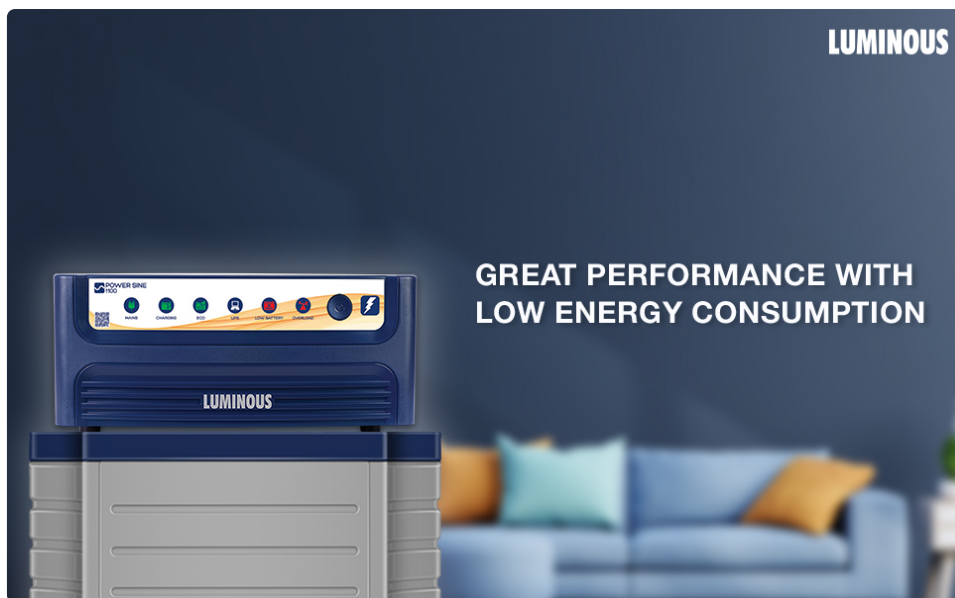


Image: Illustration of the inverter’s inbuilt intelligent thermal management system, designed to shut down the system in case of overheating.

5. TROUBLESHOOTING

If you encounter issues with your inverter, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Inverter not turning on.	Loose battery connections, discharged battery, or power switch off.	Check battery terminals, ensure battery is charged, and press the On/Off switch.
Overload indicator is on.	Too many appliances connected, exceeding inverter capacity.	Reduce the connected load by unplugging some appliances.
Low Battery indicator is on.	Battery charge is low.	Ensure mains power is available for the inverter to charge the battery.
No power output.	Inverter is off, battery is completely discharged, or internal fault.	Turn on the inverter, allow battery to charge, or contact customer support if problem persists.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact Luminous customer support.

6. SPECIFICATIONS

Attribute	Detail
Brand	Luminous
Model Number	Power-Sine-1100
Capacity	900VA/12V
Wattage	756 Watts

Attribute	Detail
Power Source	Battery Powered
Battery Capacity Compatibility	80Ah - 220Ah (12V)
Item Weight	9 kg 500 g
Item Dimensions LxWxH	27.5 x 26.2 x 12 Centimeters
Included Components	1 Inverter
Country of Origin	India

7. WARRANTY AND SUPPORT

Your Luminous Power Sine 1100 Inverter comes with a**36-month warranty** from the date of purchase, ensuring long-term reliability and support.

Manufacturer Contact:

Luminous Power Technologies Pvt. Ltd.
Village - Malpur, Baddi, District - Solan, Himachal Pradesh - 173205
Phone - 18001033039

For more information, you can visit the official Luminous Store:[Luminous Store on Amazon.in](#)

© 2024 Luminous Power Technologies Pvt. Ltd. All rights reserved.

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

Answered questions about this manual

Why are both the Main and ECO lights on at the same time on my Luminous Power Sine 1100 inverter?

On the Luminous Power Sine 1100, it is normal for both the Mains and ECO lights to be illuminated simultaneously under specific conditions:

Mains Light: This indicates that the inverter is receiving power from your...

[Read full answer](#)