

Luminous ILTT26060

Luminous Inverlast ILTT26060 220Ah Tall Tubular Inverter Battery User Manual

Model: ILTT26060

[Introduction](#) [Setup](#) [Operating Instructions](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#)
[Warranty](#) [Support](#)

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Luminous Inverlast ILTT26060 220Ah Tall Tubular Inverter Battery. Please read these instructions carefully before installation and operation to ensure optimal performance and longevity of your battery.



Image 1.1: The Luminous Inverlast ILTT26060 220Ah Tall Tubular Inverter Battery, designed for high performance and long backup.

Key Features:

- **High-Capacity 220Ah:** Provides extended backup for homes, offices, and shops during power outages.
- **Low Maintenance Design:** Requires minimal water top-up, reducing upkeep efforts.
- **Longer Battery Life:** Engineered with advanced alloy components for enhanced durability and performance.
- **60-Month Warranty:** Backed by Luminous with 36 months (free of cost) + 24 months (pro-rata) warranty.
- **Easy to Install & Use:** Features a compact structure for quick installation and seamless inverter compatibility.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safety and performance of your battery. It is highly recommended that installation be performed by a qualified technician.

Safety Precautions:

- Ensure adequate ventilation around the battery to prevent accumulation of explosive gases.
- Wear appropriate personal protective equipment (PPE) including gloves and eye protection when handling the battery or electrolyte.
- Keep open flames, sparks, and smoking materials away from the battery.
- Avoid short-circuiting the battery terminals.
- Keep out of reach of children.

Installation Steps:

1. **Placement:** Position the battery on a flat, stable, and non-combustible surface in a well-ventilated area. Ensure it is away from direct sunlight and heat sources.
2. **Terminal Cleaning:** Clean the battery terminals thoroughly to remove any dirt or corrosion.
3. **Connection to Inverter:** Connect the positive (+) terminal of the battery to the positive (+) terminal of the inverter using the red cable. Connect the negative (-) terminal of the battery to the negative (-) terminal of the inverter using the black cable. Ensure all connections are tight and secure.
4. **Initial Charging:** After connecting, switch on the inverter to begin the initial charging cycle. Allow the battery to charge fully before its first discharge.
5. **Electrolyte Level Check:** Verify that the electrolyte level in all cells is between the minimum and maximum marks. If low, top up with distilled water only.

3. OPERATING INSTRUCTIONS

The Luminous Inverlast ILTT26060 battery is designed for reliable power backup. Adhering to these operating guidelines will help maximize its performance and lifespan.



Image 3.1: The Luminous Inverlast battery ensures uninterrupted power backup for a hassle-free life.

Normal Operation:

- The battery will automatically charge when grid power is available and discharge when grid power is interrupted.
- Avoid deep discharge cycles as much as possible. While the battery is designed for deep cycling, frequent deep discharges can reduce overall lifespan.
- Ensure the inverter is correctly configured for a tubular battery type if adjustable.

Charging:

- Allow the battery to fully charge after every discharge cycle. Incomplete charging can lead to sulfation and reduced capacity.
- The charging time depends on the inverter's charging current and the depth of discharge.

Discharge:

- The battery provides 220Ah capacity, offering significant backup time depending on the load connected.
- The inverter will typically cut off power when the battery reaches a safe minimum voltage to prevent over-discharge.

Environmental Conditions:

- Operate the battery within recommended temperature ranges (typically 20°C to 30°C) for optimal performance. Extreme temperatures can affect battery life and efficiency.

Product Overview Video

Your browser does not support the video tag.

Video 3.2: A brief overview of the Luminous ILTT 26060 220Ah Tubular Battery, highlighting its features and specifications.

4. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Luminous Inverlast battery. Although it is a low-maintenance battery, periodic checks are essential.

LONG-LASTING, HIGH-PERFORMANCE BATTERY



TALL TABULAR
TECHNOLOGY



60 MONTHS*
WARRANTY



RUGGED
CONTAINER



LONG LIFE



Image 4.1: Top view of the Luminous Inverlast battery, indicating the location of water level indicators for maintenance checks.

Electrolyte Level Check and Top-up:

- Check the electrolyte level in each cell every 2-3 months. The level should be between the maximum and minimum marks on the indicator.
- If the level is below the minimum mark, carefully top up with only **distilled water**. Do not use tap water or acid.
- Ensure the vent plugs are securely tightened after topping up.

Terminal Cleaning:

- Periodically inspect battery terminals for corrosion (white or bluish powder).
- If corrosion is present, disconnect the battery from the inverter (negative first, then positive) and clean the terminals using a wire brush and a solution of baking soda and water.
- Rinse with clean water and dry thoroughly. Apply petroleum jelly or a terminal protector to prevent future corrosion.

Ventilation:

- Ensure the battery area remains well-ventilated to dissipate gases produced during charging.
- Keep the battery surface clean and free from dust and debris.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Luminous Inverlast battery. For complex problems, contact customer support.

Problem	Possible Cause	Solution
Battery not charging	Loose connections, inverter fault, power outage, blown fuse.	Check all connections, ensure grid power is available, inspect inverter for error codes, check inverter fuse. If problem persists, contact service.
Low backup time	Battery not fully charged, excessive load, aging battery, low electrolyte level.	Allow full charge cycles, reduce connected load, check electrolyte levels and top up with distilled water if needed.
Excessive water consumption	Overcharging, high ambient temperature, faulty inverter charging settings.	Ensure proper ventilation, check inverter charging voltage. If issue continues, contact service.
Corrosion on terminals	Acid fumes, loose connections.	Clean terminals as per maintenance section, ensure connections are tight, apply petroleum jelly.

If you are unable to resolve an issue using the troubleshooting steps above, please contact Luminous customer support for assistance.

6. SPECIFICATIONS

Detailed technical specifications for the Luminous Inverlast ILTT26060 Tall Tubular Inverter Battery.



Image 6.1: A buying guide illustrating recommended inverter and battery capacities based on home size and appliance usage.

Feature	Detail
Brand	Luminous
Model Name	ILTT26060
Battery Capacity	220 Amp Hours (Ah)
Voltage	12 Volts
Battery Cell Composition	Lead Acid (Tall Tubular)
Item Dimensions (L x W x H)	55 x 42 x 58 Centimeters
Item Weight	64 Kilograms
Recommended Uses	Home, Office
Country of Origin	India

7. WARRANTY INFORMATION

Your Luminous Inverlast ILTT26060 battery comes with a comprehensive warranty to ensure peace of mind.

BRILLIANTLY ENGINEERED FOR **SUPERIOR PERFORMANCE**



Image 7.1: Luminous provides assured power backed by a 60-month warranty.

Warranty Period:

- **Total 60 Months:** This includes 36 months of free replacement and an additional 24 months on a pro-rata basis.

Claiming Warranty:

In case your battery develops any technical fault within the warranty period, please contact Luminous customer care directly. You will need your purchase invoice and the battery's serial number for verification.

What Voids Warranty:

- Damage due to improper installation or handling.
- Use of non-distilled water for topping up.
- Physical damage to the battery casing or terminals.
- Tampering with the battery or unauthorized repairs.
- Operating the battery outside specified environmental conditions.

8. CUSTOMER SUPPORT

For any queries, technical assistance, or warranty claims, please reach out to Luminous customer support.

LUMINOUS



ILTT 26060 **TALL TUBULAR** INVERLAST BATTERY (220 Ah)

Image 8.1: Luminous is committed to excellence and customer satisfaction.

Contact Information:

- **Phone:** 99999 33039
- **Email:** care@luminousindia.com
- **Manufacturer Address:** Luminous Power Technologies Private Limited, Plot 150 Honda City Road, Sector 44, Gurugram, Haryana 122003, India.

Please have your product model number (ILTT26060) and purchase details ready when contacting support for faster service.

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