

[Manuals.plus](#) /

› [Luminous](#) /

› Luminous Red Charge RC 25000 PRO Tall Tubular Inverter Battery User Manual

## Luminous RC 25000 PRO

# Luminous Red Charge RC 25000 PRO Tall Tubular Inverter Battery User Manual

Comprehensive guide for the installation, operation, and maintenance of your Luminous Red Charge RC 25000 PRO Inverter Battery.

## 1. PRODUCT OVERVIEW

---

The Luminous Red Charge RC 25000 PRO is a high-performance 200Ah/12V tall tubular inverter battery designed for reliable power backup in homes, offices, and shops. It features advanced technology for durability and low maintenance, ensuring long-lasting performance.



Figure 1: Luminous Red Charge RC 25000 PRO Inverter Battery

This battery is engineered to provide consistent power during outages, making it suitable for areas with frequent power cuts. Its robust construction and design contribute to its extended lifespan and minimal upkeep requirements.

## 2. SAFETY INSTRUCTIONS

---

- Always wear protective gloves and eyewear when handling the battery.
- Ensure proper ventilation in the installation area to prevent accumulation of gases.
- Keep the battery away from open flames, sparks, and heat sources.
- Do not short-circuit the battery terminals.
- Keep out of reach of children and pets.
- In case of electrolyte contact with skin or eyes, flush immediately with plenty of water and seek medical attention.
- Dispose of old batteries responsibly according to local regulations.

## 3. SETUP AND INSTALLATION

---

The Luminous Red Charge RC 25000 PRO battery is designed for easy installation. However, for optimal performance and safety, it is recommended to have it installed by a qualified technician.

### 3.1 Pre-Installation Checks

- Verify that the inverter is compatible with a 12V, 200Ah battery.
- Ensure the installation site is well-ventilated, dry, and away from direct sunlight or heat sources.
- Check the battery for any physical damage before installation.

### 3.2 Installation Steps

1. Place the battery on a flat, stable surface.
2. Connect the positive (+) terminal of the battery to the positive (+) terminal of the inverter.
3. Connect the negative (-) terminal of the battery to the negative (-) terminal of the inverter.
4. Ensure all connections are tight and secure to prevent sparks or poor contact.
5. Fill the battery with distilled water up to the indicated maximum level, if not pre-filled.
6. Allow the battery to charge for the recommended initial charging period as per the inverter manual.



Figure 2: Inverter and Battery Buying Guide (for reference on capacity matching)

The battery's tower-type TT container design allows for more than 20% extra electrolyte, which contributes to less frequent topping-up and better thermal management.

## 4. OPERATING THE BATTERY

Once properly installed and charged, the Luminous Red Charge RC 25000 PRO battery will automatically provide power backup when the main power supply is interrupted. It is built to handle frequent power outages efficiently.



Figure 3: The battery provides uninterrupted power.

The battery's enhanced technology and robust design ensure a long-lasting backup, making it ideal for various applications from homes to commercial establishments.



Figure 4: Designed for long-lasting power backup.

## 5. MAINTENANCE

This Luminous battery is designed for low maintenance. Regular checks will ensure its longevity and optimal performance.

### 5.1 Water Level Check

The battery features 6 water level indicators. Check the electrolyte level regularly (e.g., every 1-2 months). If the

level is below the minimum mark, top up with distilled water only. Do not use tap water.

## 5.2 Terminal Cleaning

Periodically inspect battery terminals for corrosion. Clean any corrosion with a wire brush and apply petroleum jelly to prevent further corrosion. The battery's design helps reduce corrosion at high temperatures.

## 5.3 Ventilation

Ensure the battery area remains well-ventilated to dissipate any gases produced during charging and to maintain optimal operating temperature.



Figure 5: Key maintenance features including 6 water level indicators and tubular plate design.

The utilization of HADI and HPLC plates in the battery's construction contributes to its remarkable performance and minimal maintenance requirements.

## 6. TROUBLESHOOTING

If you encounter issues with your Luminous Red Charge RC 25000 PRO battery, refer to the following common problems and solutions:

- **Battery Not Charging:** Check all connections between the battery and inverter. Ensure the inverter is receiving main power. Verify the inverter's charging settings.

- **Short Backup Time:** This could indicate low electrolyte levels (check and top up with distilled water), an aging battery, or an overloaded inverter. Reduce load or consider battery replacement if it's old.
- **Corrosion on Terminals:** Clean terminals as described in the maintenance section. Ensure connections are tight.
- **Unusual Odor or Swelling:** Immediately disconnect the battery from the inverter and contact customer support. This may indicate a serious issue.

For issues not resolved by these steps, please contact Luminous customer care for professional assistance.

## 7. SPECIFICATIONS

Feature	Detail
Model Name	RC 25000 PRO
Battery Type	Tall Tubular Inverter Battery
Battery Capacity	200 Ah
Voltage	12 Volts
Battery Cell Composition	Lead Acid
Reusability	Rechargeable
Number of Batteries Required	1 (12V battery included)
Recommended Uses	Home, Office, Shops
Battery Weight	58 Kilograms
Item Dimensions	30 x 30 x 30 Centimeters
Country of Origin	India
Manufacturer	Luminous Power TECHNOLOGIES Pvt. Ltd.

## 8. WARRANTY AND SUPPORT

The Luminous Red Charge RC 25000 PRO battery comes with a comprehensive **48-month warranty**. This includes 24 months of replacement coverage and 24 months of pro-rata coverage, providing peace of mind and excellent value.

### 8.1 Customer Support

Luminous offers dedicated customer support to assist you with any queries or issues:

- **Phone:** 99999 33039
- **Email:** [Care@luminousindia.com](mailto:Care@luminousindia.com)
- **Website:** [www.luminousindia.com](http://www.luminousindia.com)
- **Address:** Luminous Power Technologies Private Limited, Plot No 150, Sector- 44, Gurugram, Haryana - 122003

Luminous is committed to providing assistance anywhere you go, with 24/7 support and on-site service options.



Figure 6: Luminous offers widespread service and support.

## 9. PRODUCT VIDEO OVERVIEW

---

Watch this video for a quick overview of the Luminous Red Charge RC 25000 PRO Tall Tubular Inverter Battery's features and benefits.



Video 1: Luminous Red Charge RC 25000 PRO Inverter Battery Overview. This video highlights key features such as its tall tubular design, 200Ah/12V capacity, 6-level water indicator, corrosion reduction, and low maintenance requirements.