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Luminous RC 18000ST

Luminous Red Charge RC 18000ST Short Tubular Inverter Battery User Manual

Model: RC 18000ST | Brand: Luminous

1. Product Overview

The Luminous Red Charge RC 18000ST is a high-performance 150Ah/12V short tubular inverter battery designed to provide reliable power backup for various settings, including homes, offices, and shops. Its robust construction ensures long-term durability and consistent performance.

- **High Capacity:** 150 Ah rating provides ample power for extended backup.
- **Durable and Reliable:** Built for long-term performance and exceptional durability.
- **Versatile Use:** Suitable for a wide range of applications in residential and commercial environments.



Figure 1: Luminous Red Charge RC 18000ST Short Tubular Inverter Battery, showing its compact design and branding.



Figure 2: Key features of the Luminous Red Charge RC 18000ST, highlighting enhanced technology, suitability for frequent power cuts, and low maintenance requirements.

2. Setup and Installation

The Luminous Red Charge RC 18000ST battery is designed for easy and hassle-free installation. It is recommended to have the installation performed by a qualified technician to ensure proper setup and safety.

2.1 What's in the Box

- 1 x Luminous Red Charge RC 18000ST Short Tubular Inverter Battery

2.2 Pre-Installation Checklist

1. Ensure the battery is placed on a flat, stable surface in a well-ventilated area.
2. Verify that the inverter is compatible with a 12V, 150Ah battery.
3. Keep the battery away from direct sunlight, heat sources, and flammable materials.

4. Ensure all necessary cables and connectors are available and in good condition.

2.3 Connection Steps

1. Connect the positive (+) terminal of the battery to the positive (+) terminal of the inverter.
2. Connect the negative (-) terminal of the battery to the negative (-) terminal of the inverter.
3. Ensure all connections are tight and secure to prevent loose contacts and sparking.
4. After connecting, switch on the inverter according to its specific instructions.

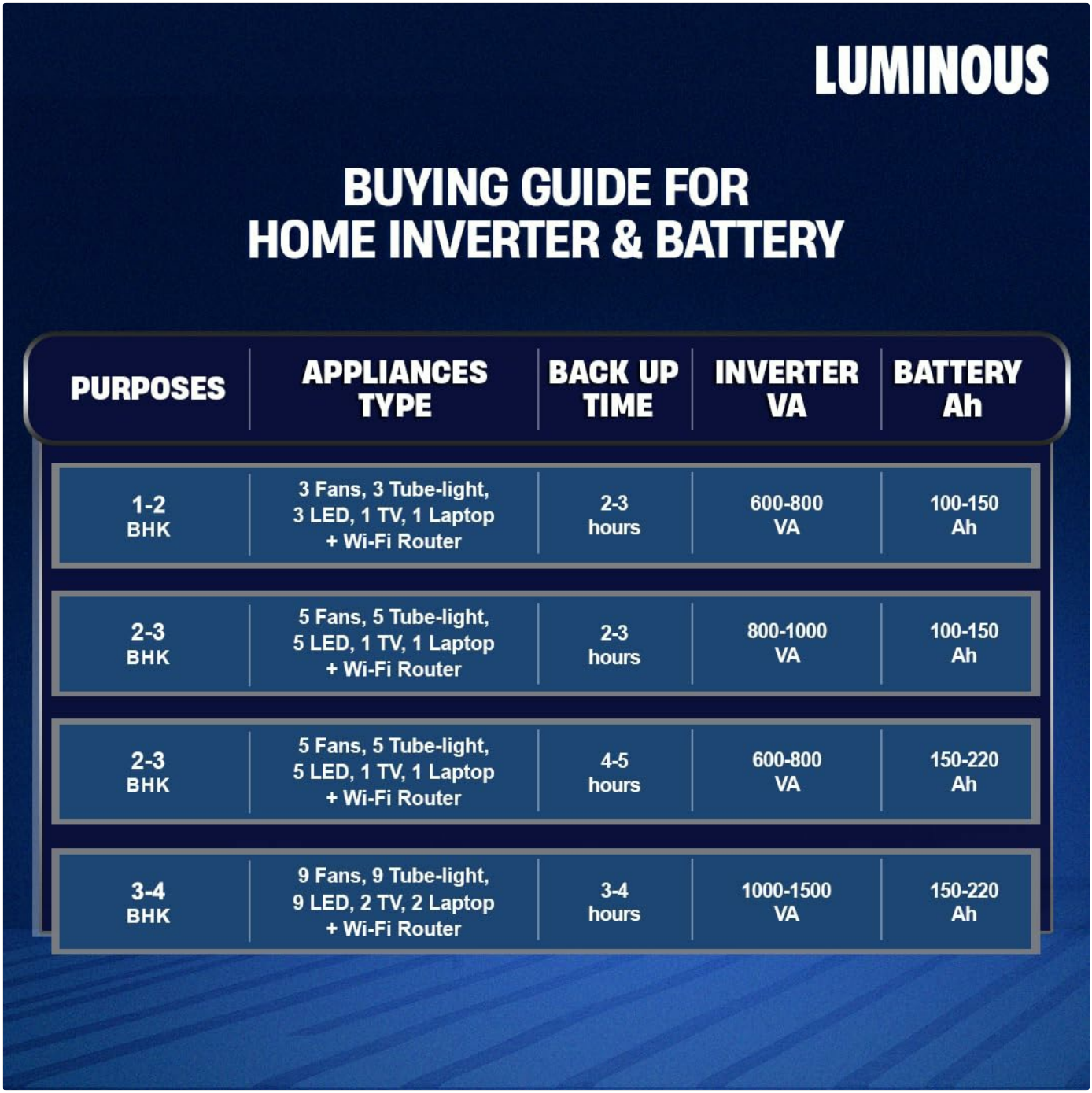


Figure 3: A guide illustrating recommended battery and inverter capacities based on home size and appliance usage, aiding in proper system setup.

3. Operating Instructions

Once installed, the Luminous Red Charge RC 18000ST battery operates automatically with a compatible inverter. The inverter manages charging and discharging cycles.

- **Initial Charge:** For optimal performance, ensure the battery undergoes a full initial charge cycle as per the inverter manual.
- **Power Backup:** During power outages, the inverter will automatically switch to battery power, providing uninterrupted electricity to connected appliances.
- **Recharging:** The battery will automatically recharge when grid power is restored.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Luminous Red Charge RC 18000ST battery. This battery is designed for minimal upkeep.

4.1 Water Level Check

The battery features 6 water level indicators to monitor electrolyte levels. Check these indicators regularly, ideally once every 1-2 months.

- If the electrolyte level falls below the minimum mark, refill with distilled water only. Do not use tap water or acid.
- Ensure the level is maintained between the minimum and maximum marks.

4.2 Terminal Cleaning

Periodically inspect battery terminals for corrosion. Clean them using a wire brush and a mixture of baking soda and water. Apply petroleum jelly to the terminals after cleaning to prevent future corrosion.

4.3 Ventilation

Ensure the battery area is always well-ventilated to dissipate gases produced during charging. Avoid enclosing the battery in tight spaces.



Figure 4: Visual representation of the battery's design and maintenance benefits, including faster recharge, tubular plate design, 6 water level indicators, and overall minimum maintenance.

5. Troubleshooting

If you encounter issues with your Luminous Red Charge RC 18000ST battery, refer to the following common troubleshooting steps:

- **No Power Output:**
  - Check if the battery terminals are securely connected and free from corrosion.
  - Ensure the inverter is switched on and functioning correctly.
  - Verify that the battery is adequately charged.
- **Short Backup Time:**
  - Check the electrolyte levels and refill with distilled water if necessary.
  - Reduce the load on the inverter by disconnecting non-essential appliances.
  - Ensure the battery is receiving a full charge from the inverter.
- **Battery Overheating:**
  - Ensure adequate ventilation around the battery.
  - Check for any loose connections or faulty wiring.
  - If overheating persists, contact customer support.

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

6. Specifications

Attribute	Value
Brand	Luminous
Model	RC 18000ST
Battery Capacity	150 Amp Hours
Voltage	12 Volts
Battery Cell Composition	Lead Acid
Product Dimensions (LxWxH)	50 x 50 x 80 cm
Item Weight	20 kg
Battery Weight	40 Kilograms
Compatible Devices	Home UPS
Special Features	Long Lasting
Reusability	Rechargeable
Country of Origin	India
Date First Available	2 April 2018

7. Warranty and Support

The Luminous Red Charge RC 18000ST battery comes with a comprehensive **36-month warranty**. This includes 18 months of replacement coverage and 18 months of pro-rata coverage, providing peace of mind and excellent value.

7.1 Customer Support

Luminous offers dedicated customer support to assist with any queries or service needs. Their service network ensures assistance is available across various locations.

- **Assistance Anywhere You Go:** Broad service coverage.
- **24/7 Support:** Continuous availability for customer queries.
- **On-Site Service:** Convenient service at your location.



Figure 5: Luminous service network map, illustrating widespread assistance, 24/7 support, and on-site service availability.

For further details regarding warranty claims or service requests, please refer to the official Luminous website or contact their customer care.

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