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› Luminous Shakti Charge SC 18060 Inverter Battery User Manual

Luminous SC18060

Luminous Shakti Charge SC 18060 Inverter Battery User Manual

Model: SC 18060 | Brand: Luminous

1. PRODUCT OVERVIEW

The Luminous Shakti Charge SC 18060 is a 150Ah/12V tall tubular inverter battery designed for reliable power backup in homes, offices, and shops. It features high performance, durability, and low maintenance, ensuring a consistent power supply.

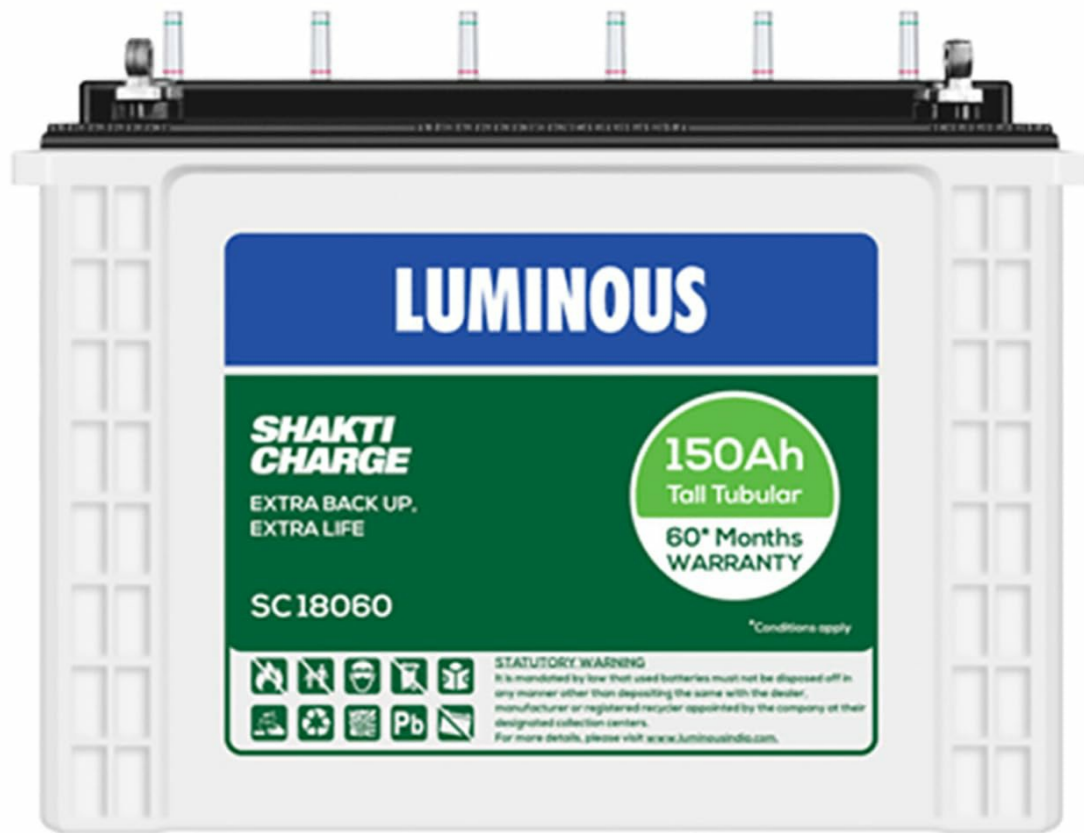


Figure 1: Luminous Shakti Charge SC 18060 Tall Tubular Inverter Battery

Key Features:

- **Versatile Use:** Suitable for various settings including homes, offices, and shops.
- **High Capacity:** 150 Ah rating provides ample power backup.
- **Easy Installation:** Designed for hassle-free setup.
- **Durable and Reliable:** Built for long-term performance.
- **Low Maintenance:** Requires minimal upkeep.
- **Excellent Overcharge Tolerance:** Enhanced protection against overcharging.
- **Rugged Container:** Ensures durability and protection.
- **Recyclable:** Environmentally conscious design.

BUYING GUIDE FOR HOME INVERTER & BATTERY

PURPOSES	APPLIANCES TYPE	BACK UP TIME	INVERTER VA	BATTERY Ah
1-2 BHK	3 Fans, 3 Tube-light, 3 LED, 1 TV, 1 Laptop + Wi-Fi Router	2-3 hours	600-800 VA	100-150 Ah
2-3 BHK	5 Fans, 5 Tube-light, 5 LED, 1 TV, 1 Laptop + Wi-Fi Router	2-3 hours	800-1000 VA	100-150 Ah
2-3 BHK	5 Fans, 5 Tube-light, 5 LED, 1 TV, 1 Laptop + Wi-Fi Router	4-5 hours	600-800 VA	150-220 Ah
3-4 BHK	9 Fans, 9 Tube-light, 9 LED, 2 TV, 2 Laptop + Wi-Fi Router	3-4 hours	1000-1500 VA	150-220 Ah

Figure 2: Key features of the Luminous Shakti Charge SC 18060 battery

2. SAFETY INFORMATION

Read all safety instructions before installing or operating the battery. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always wear appropriate personal protective equipment (PPE) including safety glasses and gloves when handling the battery.
- Keep the battery away from open flames, sparks, and heat sources. Batteries produce flammable gases.
- Ensure adequate ventilation in the area where the battery is installed.
- 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.
- Do not attempt to open or modify the battery.

3. UNBOXING & PACKAGE CONTENTS

Carefully unpack the battery and inspect for any damage. Report any damage to your supplier immediately.

Package Includes:

- Luminous Shakti Charge SC 18060 Tall Tubular Inverter Battery
- Float Indicators (for water level monitoring)
- Instruction Manual
- Warranty Card

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unsure, consult a qualified technician.

4.1 Site Selection:

- Choose a cool, dry, and well-ventilated area.
- Ensure the surface is level and strong enough to support the battery's weight (approx. 50 kg).
- Keep away from direct sunlight, heat sources, and flammable materials.

4.2 Initial Preparation:

1. Remove the vent plugs from the top of the battery.
2. Fill the battery with distilled water up to the specified level indicated by the float indicators. Do not overfill.
3. Allow the battery to rest for 1-2 hours after filling to allow the electrolyte to stabilize.

LUMINOUS

POWER HOUSE OF PERFORMANCE



Figure 3: Front view of the battery with terminals and water level indicators



Figure 4: Back view of the battery

4.3 Connecting to Inverter:

1. Ensure the inverter is switched off and disconnected from the main power supply.
2. Connect the positive (+) terminal of the battery to the positive (+) terminal of the inverter using the red cable. Tighten securely.
3. Connect the negative (-) terminal of the battery to the negative (-) terminal of the inverter using the black cable. Tighten securely.
4. Ensure all connections are firm and free from corrosion.
5. Once connections are made, you can switch on the inverter and connect it to the main power supply.

5. OPERATING INSTRUCTIONS

The Luminous Shakti Charge SC 18060 battery works in conjunction with an inverter to provide uninterrupted power.

5.1 Initial Charging:

For the first use, allow the battery to undergo a full charging cycle (typically 10-15 hours) without any load. This helps in conditioning the battery for optimal performance.

5.2 Normal Operation:

- The inverter will automatically switch to battery power during a power outage.
- The battery will recharge automatically when the main power supply is restored.
- Avoid deep discharge of the battery as it can reduce its lifespan.

5.3 Recommended Load Capacity:

The 150Ah capacity can support various appliances. Below is a general guide for typical household loads:



Figure 5: Load chart for Luminous inverter batteries

For optimal performance, ensure your total load does not exceed the inverter's capacity and the battery's discharge rate.

6. MAINTENANCE

Regular maintenance extends the life and efficiency of your Luminous battery.

6.1 Water Level Check:

- Check the electrolyte level every 1-2 months. The battery is designed for low water top-up frequency.
- Ensure the float indicators are within the 'Full' mark.
- If the level is low, top up with only **distilled water**. Do not use tap water or acid.

6.2 Cleaning Terminals:

- Periodically clean the battery terminals to prevent corrosion.
- Use a wire brush and a mixture of baking soda and water to clean any corrosion.
- Apply petroleum jelly or a terminal protector to the cleaned terminals to prevent future corrosion.

6.3 Ventilation:

Ensure the battery area remains well-ventilated to dissipate gases produced during charging.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Battery not charging	Loose connections, inverter fault, low main voltage	Check terminal connections, inspect inverter, ensure stable main power.
Short backup time	Overloading, low electrolyte level, aged battery	Reduce load, check and top up water level, consider battery replacement if old.
Corrosion on terminals	Acid fumes, lack of maintenance	Clean terminals with baking soda solution, apply petroleum jelly.
Unusual smell/fumes	Overcharging, internal fault	Disconnect battery immediately, ensure ventilation, contact customer support.

If the problem persists, contact Luminous customer support.

8. SPECIFICATIONS

Specification	Value
Brand	Luminous
Model Name	SC18054-150AH (Equivalent to SC 18060)
Battery Type	Smart Tall Tubular Inverter Battery
Battery Capacity	150 Amp Hours (Ah)
Voltage	12 Volts
Recommended Uses	Home, Office
Item Dimensions (L x W x H)	50.2L x 44W x 19.1H Centimeters
Item Weight	50 Kilograms
Electrolyte Volume	18.20 Liters
Water Level Indicators	6
Charging Current (Boost Mode Start)	15.10 A
Charging Current (Boost Mode Finish)	7.60 A
Charging Current (Trickle Mode Min)	126.0 mA
Charging Current (Trickle Mode Max)	504.0 mA
Country of Origin	India

9. WARRANTY INFORMATION

The Luminous Shakti Charge SC 18060 battery comes with a comprehensive warranty to ensure peace of mind.

- **Total Warranty:** 60 Months

- **Replacement Warranty:** 36 Months (Flat)
- **Pro-rata Warranty:** 24 Months

Please refer to the warranty card included in your package for detailed terms and conditions. Keep your purchase receipt for warranty claims.

10. CUSTOMER SUPPORT

For any queries, assistance, or service requests, please contact Luminous customer support:

- **Toll-Free Number:** 18001033039
- **WhatsApp Number:** +91-7042833939
- **Email:** care@luminousindia.com
- **Manufacturer Address:** Luminous Power Technologies Private Limited, Plot 150 Honda City Road, Sector 44, Gurugram, Haryana 122003

11. PRODUCT VIDEO

Watch this video for a quick overview of the Luminous Shakti Charge battery features.

Video: Luminous Shakti Charge SC 18054/18060 150Ah Tall Tubular Inverter Battery features overview.

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