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› [LOSSIGY 48V 100Ah LiFePO4 Lithium Golf Cart Battery User Manual with 18A Charger & LCD Monitor](#)

LOSSIGY 48100-2

LOSSIGY 48V 100Ah LiFePO4 Lithium Golf Cart Battery User Manual

Model: 48100-2

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your LOSSIGY 48V 100Ah LiFePO4 Lithium Golf Cart Battery. Please read all instructions carefully before installation and operation.

2. SAFETY INFORMATION

Always prioritize safety when handling batteries. Lithium Iron Phosphate (LiFePO4) batteries are generally safer than other lithium-ion chemistries, but proper handling is still crucial.

- Do not short-circuit the battery terminals.
- Do not expose the battery to fire or extreme heat.
- Do not immerse the battery in water.
- Use only the provided or approved charger.
- Ensure proper ventilation during charging and operation.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection during installation.
- Keep out of reach of children.
- This battery supports parallel connection only, up to 4 batteries. Do not connect in series.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- LOSSIGY 48V 100Ah LiFePO4 Battery
- 58.4V 18A Smart Charger
- LCD Mobile Monitor
- Battery Cables (if included in specific package)
- User Manual



Image: Main product components including the battery, charger, and monitor.

4. PRODUCT OVERVIEW

The LOSSIGY 48V 100Ah LiFePO₄ battery is designed for high-performance applications such as golf carts, RVs, and solar systems. It features a robust Battery Management System (BMS) and includes a smart charger and mobile monitor for convenience.

Key Features:

- **Class A LiFePO₄ Cells:** Ensures long cycle life (4,000+ cycles) and stable performance.
- **Integrated 200A BMS:** Provides protection against overcharging, over-discharging, overcurrent, short circuit, and temperature extremes. Supports automatic cell balancing.
- **High Power Output:** 10.24kW continuous output with 1000A peak current.
- **Lightweight Design:** Approximately 83 lbs, significantly lighter than lead-acid batteries of similar capacity.
- **IP65 Waterproof Rating:** Offers protection against dust and water splashes.
- **Bluetooth Connectivity:** Monitor battery status in real-time via a mobile app.
- **LCD Mobile Monitor:** Provides real-time battery information directly on your golf cart dashboard.
- **Fast Charging:** The 58.4V 18A charger can fully charge the battery in approximately 6 hours.

UNLEASHES IMPRESSIVE SURGE POWER

100AH CAPACITY

50 Miles



- 1 Long Endurance Easily Drive Over The Hillside
- 2 Refuse Short Trips

Image: Diagram illustrating the various protection features of the integrated Battery Management System (BMS).

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your LOSSIGY battery, charger, and monitor.

5.1 Battery Installation

1. **Remove Old Batteries:** Disconnect and carefully remove existing lead-acid batteries from your golf cart. Note the wiring configuration before removal.
2. **Prepare Battery Compartment:** Clean the battery compartment thoroughly. Ensure it is dry and free of debris.
3. **Position New Battery:** Place the LOSSIGY LiFePO4 battery into the compartment. Its compact size (20.47 x 10.59 x 8.66 inches) and lighter weight (83 lbs) should allow for easier placement.
4. **Secure Battery:** Use appropriate straps or mounting hardware to secure the battery firmly in place to prevent movement during operation.
5. **Connect Battery Cables:** Connect the positive (+) and negative (-) terminals of the battery to your golf cart's electrical system. Ensure connections are tight and secure.

DIMENSIONS



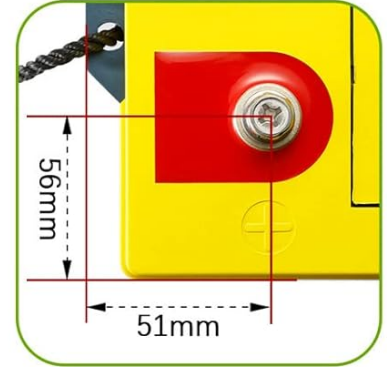
PRODUCT SIZE

L 20.47 * W 10.59* H 8.66 inches



Terminal Specifications

M8 Terminal-16mm



U.S. Local Warehouse



Specialize For 12+ Years



Technical Aftersales Service



Respond Within 24hrs



Professional & Friendly Customer Service

Image: Front view of the LOSSIGY 48V 100Ah LiFePO4 Battery, showing terminals and carrying handles.

Your browser does not support the video tag.

Video: A guide demonstrating the installation process for a 48V Lithium Golf Cart Battery. This video shows the steps for replacing old batteries and securing the new lithium battery.

Your browser does not support the video tag.

Video: An unboxing and installation guide for a TEMGO Golf Cart Battery, showing the components included and the installation steps.

5.2 LCD Mobile Monitor Installation

1. **Choose Location:** Select a convenient and visible location on your golf cart's dashboard for the LCD monitor.
2. **Mount Monitor:** Secure the monitor using the provided mounting hardware.
3. **Connect Wiring:** Connect the monitor's wiring harness to the designated port on the battery. Ensure all connections are firm.

WARRANTY TERMS AND AFTER-SALES SERVICE



FIVE-YEAR WARRANTY

The order takes effect immediately upon completion



24-hour online customer service



Dissatisfied with the product or defective product after receiving it contact us for replacement or full refund



**PROVIDE PROFESSIONAL
TECHNICAL SUPPORT UNTIL
IT IS PUT INTO NORMAL USE**

Image: The LCD Mobile Monitor showing real-time battery information, including charge percentage and voltage.

Your browser does not support the video tag.

Video: This video demonstrates the installation and use of the LCD display for the 36/48V Golf Cart LiFePO4 Battery, showing how to connect it and navigate its monitoring modes.

6. OPERATING INSTRUCTIONS

6.1 Initial Charge

Before first use, fully charge the battery using the provided 58.4V 18A smart charger. Connect the charger to the battery and then to a power outlet. The charger will indicate when charging is complete (approximately 6 hours for a full charge).

6.2 Using the LCD Monitor

The LCD monitor displays real-time battery information such as voltage, current, temperature, and state of charge. Refer to the monitor's specific instructions for navigating its various display modes.

6.3 Mobile App Monitoring

Download the LOSSIGY mobile app (available for iOS and Android) and connect to your battery via Bluetooth. The app

provides detailed battery data, including individual cell voltages, cycle index, and protection status.

7. MAINTENANCE

- **Regular Inspection:** Periodically check battery terminals for corrosion and ensure connections are tight.
- **Cleaning:** Keep the battery clean and dry. Wipe with a damp cloth if necessary. Do not use harsh chemicals.
- **Storage:** If storing the battery for an extended period, ensure it is charged to approximately 50-70% and stored in a cool, dry place. Avoid extreme temperatures.
- **Parallel Connection:** If connecting multiple batteries in parallel, ensure they are of the same voltage and capacity. It is recommended to connect up to 4 batteries in parallel. Do not connect in series.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Charger not connected properly; charger fault; battery BMS in protection mode.	Check all charger connections. Verify charger functionality. Check mobile app for BMS protection status and follow instructions to reset if applicable.
Low power output	Low state of charge; loose connections; motor/controller issue.	Charge the battery fully. Inspect battery cables and terminals for secure connections. Consult golf cart manufacturer for motor/controller diagnostics.
LCD monitor not displaying	Loose connection to battery; monitor fault.	Ensure the monitor's cable is securely connected to the battery. If problem persists, contact customer support.
Battery overheating	Excessive load; poor ventilation; internal fault.	Reduce load on the battery. Ensure adequate airflow around the battery. If temperature remains high, disconnect and contact customer support immediately.

9. SPECIFICATIONS

Feature	Value
Nominal Voltage	48V
Capacity	100Ah
Energy Output	10.24kWh (5120Wh)
BMS Continuous Current	200A
Peak Current	1000A (3-5s)
Cycle Life	4000+ cycles
Operating Temperature Range	0°C - 60°C
Dimensions (L x W x H)	20.47 x 10.59 x 8.66 inches
Weight	83 lbs
Waterproof Rating	IP65

Feature	Value
Charger Output	58.4V 18A

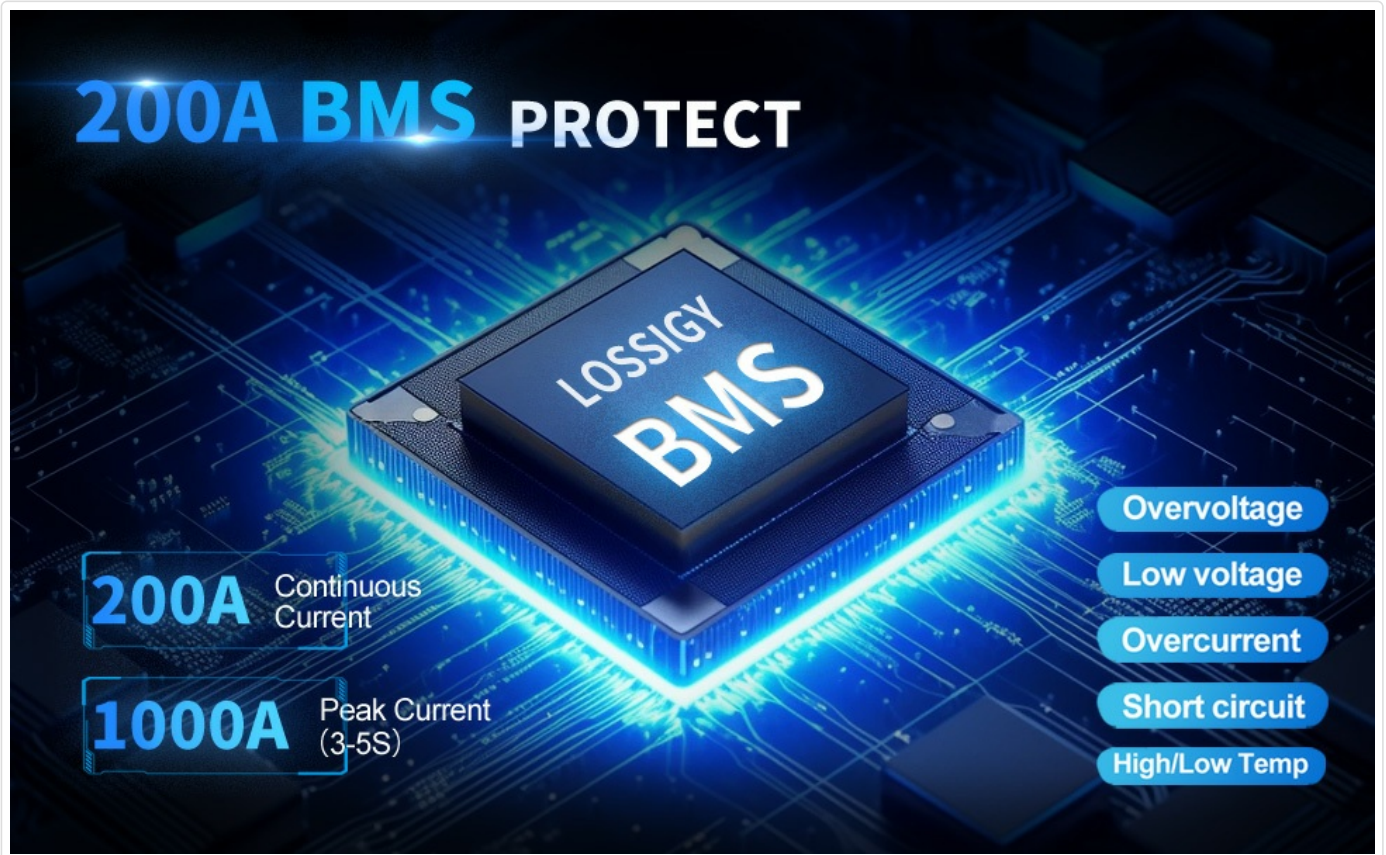


Image: Detailed dimensions of the LOSSIGY 48V 100Ah LiFePO4 Battery, including length, width, and height.

10. WARRANTY AND SUPPORT

LOSSIGY provides a **5-year warranty** for this product. For any technical assistance, installation guidance, or warranty claims, please contact LOSSIGY customer support. They offer 24-hour online professional technical support. Refer to the official LOSSIGY website or your purchase documentation for specific contact details.