

[Manuals.plus](#) /

› [LOSSIGY](#) /

› LOSSIGY 36V 150Ah LiFePO4 Lithium Battery and Charger User Manual

LOSSIGY 36V150Ah+Charger

LOSSIGY 36V 150Ah LiFePO4 Lithium Battery and Charger User Manual

Model: 36V150Ah+Charger

1. INTRODUCTION

Thank you for choosing the LOSSIGY 36V 150Ah LiFePO4 Lithium Battery. This advanced battery system is designed for high-performance applications such as golf carts and trolling motors, offering superior energy density, stable performance, and a long cycle life. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your battery and charger.

The battery features a built-in 200A Bluetooth Battery Management System (BMS) for comprehensive protection and a touch monitor for real-time status display. It also includes a dedicated 36 Volt 25A charger.



Image 1.1: LOSSIGY 36V 150Ah LiFePO4 Lithium Battery in a golf cart application.

2. SAFETY INSTRUCTIONS

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

- **General Safety:**

- Do not disassemble, modify, or puncture the battery.
- Keep the battery away from fire, heat sources, and direct sunlight.
- Avoid short-circuiting the battery terminals.
- Ensure proper ventilation around the battery during operation and charging.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling the battery.
- Keep out of reach of children.

- **Charging Safety:**

- Only use the provided LOSSIGY 36 Volt 25A charger. Using incompatible chargers may damage the battery or cause fire.
- Charge the battery in a well-ventilated area.
- Do not charge the battery near flammable materials.
- Monitor the battery during charging. Disconnect immediately if you observe any unusual heat, smell, or deformation.

- **Installation Safety:**

- Ensure the vehicle's power system is off before installation.
- Connect positive to positive and negative to negative terminals correctly. Reverse polarity can cause severe damage.
- Secure the battery firmly to prevent movement during operation.
- Do not connect batteries with different voltages or capacities in series or parallel, except as specified for parallel connection (up to 4 units).

AMAZING CHANGE FROM LEAD ACID



Image 2.1: Built-in BMS protections for the LOSSIGY LiFePO₄ battery.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- 1 x LOSSIGY 36V 150Ah LiFePO₄ Lithium Battery
- 1 x 36 Volt 25A Battery Charger
- 1 x User Manual (this document)
- M8 Stud Terminals (removable)

4. SETUP AND INSTALLATION

4.1 Initial Inspection

Before installation, inspect the battery for any physical damage. Ensure terminals are clean and free of debris.

4.2 Battery Installation

1. Turn off all power to the golf cart or application where the battery will be installed.
2. Remove existing batteries if applicable.
3. Place the LOSSIGY LiFePO4 battery in a secure, well-ventilated location. Ensure it is firmly mounted to prevent movement.
4. Connect the positive (+) terminal of the battery to the positive lead of your system.
5. Connect the negative (-) terminal of the battery to the negative lead of your system.
6. Tighten all connections securely.

4.3 Parallel Connection (Optional)

The LOSSIGY 36V 150Ah battery supports parallel connection for increased capacity, up to a maximum of 4 batteries. When connecting in parallel:

- Ensure all batteries are of the same model and have similar states of charge before connecting.
- Connect positive terminals together and negative terminals together.
- Use appropriate gauge cables for parallel connections to handle increased current.

4.4 Initial Charging

It is recommended to fully charge the battery before its first use.

1. Connect the charger to the battery's charging port.
2. Plug the charger into a standard AC power outlet.
3. The charger will indicate charging status (refer to charger's specific indicators).
4. Once fully charged, disconnect the charger from the AC outlet, then from the battery.

4.5 Bluetooth App Connection

The battery features a Bluetooth BMS for remote monitoring via a smartphone application.

1. Download the official LOSSIGY Bluetooth app from your device's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to pair with your LOSSIGY battery.
4. Once connected, you can monitor real-time battery status, including voltage, current, temperature, and state of charge.



Image 4.1: Monitoring battery status via touch monitor and Bluetooth app.

5. OPERATION

5.1 Powering On/Off

Once installed and connected, the battery is ready for use. The BMS automatically manages power delivery and protection. There is no manual power button on the battery itself; it activates upon connection to a load.

5.2 Monitoring Battery Status

You can monitor the battery's status through two methods:

- **Integrated Touch Monitor:** The battery features a built-in touch screen display that shows real-time information such as State of Charge (SOC), voltage, current, temperature, and individual cell voltages.
- **Bluetooth App:** Use the LOSSIGY smartphone app to remotely view detailed battery parameters and historical data.

5.3 Usage Guidelines

- The battery is designed for deep cycle applications, offering 100% Depth of Discharge (DOD).
- The 200A BMS provides a peak current of 1000A (for 3-5 seconds), suitable for demanding applications like golf cart acceleration or trolling motor bursts.
- Ensure the continuous load does not exceed the maximum continuous current of 150A (5760W).
- For optimal lifespan, avoid consistently discharging the battery to its absolute minimum.



Image 5.1: The LOSSIGY battery provides extended range for golf cart applications.

6. MAINTENANCE

6.1 Charging

- Always use the provided 36 Volt 25A charger.
- Charge the battery after each significant use to maintain optimal performance and extend lifespan.

- The recommended charging current is 25A.
- The charge voltage range is 42.6V-43.8V, with a full charge voltage range of 40.2V-41.4V.

6.2 Cleaning

Keep the battery terminals and casing clean and dry. Use a dry cloth to wipe off any dust or dirt. Do not use solvents or abrasive cleaners.

6.3 Storage

If storing the battery for an extended period:

- Store the battery at approximately 50% State of Charge (SOC).
- Store in a cool, dry place with a storage temperature range of 10°F to 122°F (-12°C to 50°C).
- Avoid extreme temperatures.
- Periodically check the battery's charge level and recharge if necessary to prevent deep discharge.

7. TROUBLESHOOTING

The built-in Battery Management System (BMS) protects the battery from various issues. If you experience problems, refer to the following common scenarios:

Problem	Possible Cause	Solution
Battery not charging	Charger not properly connected. Charger malfunction. BMS protection activated (e.g., overvoltage, low temperature).	Ensure charger is securely connected to battery and AC outlet. Check charger for indicator lights or signs of damage. Allow battery temperature to normalize if too cold or hot. Contact customer support if charger is faulty.
Battery not discharging / No power output	BMS protection activated (e.g., low voltage, overcurrent, short circuit). Loose or corroded connections. Battery is fully discharged.	Check battery status via touch monitor or app for BMS fault codes. Inspect and tighten all terminal connections. Charge the battery. Reduce load if overcurrent protection is active.
Bluetooth app not connecting	Bluetooth disabled on device. App not updated. Battery out of range.	Enable Bluetooth on your smartphone. Update the LOSSIGY app to the latest version. Move closer to the battery. Restart the app and try pairing again.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact LOSSIGY customer support.

THE BEST PARTNER FOR YOUR 36 VOLT GOLF CART

Consistently Delivers a Stable and Reliable Power Supply

SPECIFICATION	
NOMINAL CAPACITY	150AH
ENERGY	5760WH
CHARGE VOLTAGE	42.6V - 43.8V
DISCHARGE RATE	0.2C (5A)
MAX. CHARGE CURRENT	25A
MAX. DISCHARGE CURRENT	150A
OPERATING TEMPERATURE	-20°C TO 60°C
STORAGE TEMPERATURE	-30°C TO 60°C
WARRANTY	10 YEARS

105lb/37.9kg
Weight

100%DOD
Efficiently

150AH
Capacity

5.76Kw
Powerful

10 Year
Lifespan

Image 8.1: LOSSIGY 36V 150Ah LiFePO4 Battery product specifications.

Parameter	Value
Model	36V150Ah+Charger
Total Capacity	150Ah
Nominal Voltage	38.4V
Charge Voltage Range	42.6V - 43.8V
Full Charge Voltage Range	40.2V - 41.4V
Recommended Charging Current	25A

Parameter	Value
BMS Continuous Current	200A
Peak Current (3-5s)	1000A
Max Continuous Discharge Current	150A
Max Continuous Load	5760W
Usable Energy	5.76Wh
Waterproof Grade	IP65
Operating Temperature (Charging)	32°F ~ 113°F (0°C ~ 45°C)
Operating Temperature (Discharge)	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Temperature	10°F ~ 122°F (-12°C ~ 50°C)
Product Dimensions (L x W x H)	16.5(17.7) x 12.6(13.7) x 8.6 inch (420(450) x 320(350) x 220 mm)
Terminals	Removable M8 stud terminal
Battery Cell Composition	Lithium-Phosphate (LiFePO4)
Cycle Life	At least 4000 cycles

9. WARRANTY AND SUPPORT

LOSSIGY is committed to providing high-quality products and excellent customer service.

- **Warranty:** This product comes with a 5-year warranty, covering defects in materials and workmanship under normal use.
- **After-Sales Service:** LOSSIGY offers 90 days of worry-free after-sales service.
- **Technical Support:** 24-hour online professional technical support is available to assist with any issues or questions you may have.

For warranty claims, technical assistance, or any other inquiries, please contact LOSSIGY customer support through the official website or your purchase platform.

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