

[Manuals.plus](#) /

› [Cefito](#) /

› Cefito 48V 13Ah Folding Ebike Lithium Battery User Manual

Cefito 48V 13Ah

Cefito 48V 13Ah Folding Ebike Lithium Battery User Manual

1. INTRODUCTION

This user manual provides comprehensive instructions for the safe and efficient operation, installation, and maintenance of your Cefito 48V 13Ah Folding Ebike Lithium Battery. Please read this manual thoroughly before using the battery to ensure optimal performance and longevity. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Cefito 48V 13Ah Ebike Lithium Battery is designed to provide reliable power for folding electric bikes. It features automotive-grade A+ lithium cells for enhanced cycle life and stable power output. The battery includes a built-in 30A Battery Management System (BMS) for comprehensive protection and comes with a secure safety lock.

2.1 Key Features

- **High Capacity:** 48V 13Ah for extended range.
- **Premium Cells:** Engineered with automotive-grade A+ lithium cells for durability and stable performance.
- **Advanced BMS:** Integrated 30A BMS protects against overcharge, over discharge, overcurrent, short circuit, overvoltage, and temperature fluctuations.
- **Secure Design:** Features a safety lock to deter theft.
- **Accessories:** Includes a 54.6V 2A fast charger, 2 keys, and mounting screws.
- **Compatibility:** Suitable for 100W, 250W, 350W, 500W, 700W, and 1000W folding ebike motors.

2.2 Components and Views



Figure 1: Cefito 48V 13Ah Ebike Lithium Battery. This image shows the overall appearance of the battery unit.



Figure 2: Cefito 48V 13Ah Ebike Lithium Battery, mounting bracket, and charger. This image displays the battery alongside its essential accessories.



Figure 3: Close-up of battery features: safe lock, charge socket, and portable handle. This image highlights the key functional parts of the battery.



Figure 4: View of the battery's discharging port, emphasizing compatibility. Ensure this port matches your e-bike's connection.



Figure 5: Diagram illustrating the various protections provided by the 30A BMS. This shows overcharge, over discharge, overvoltage, overcurrent, short circuit, and temperature protection.

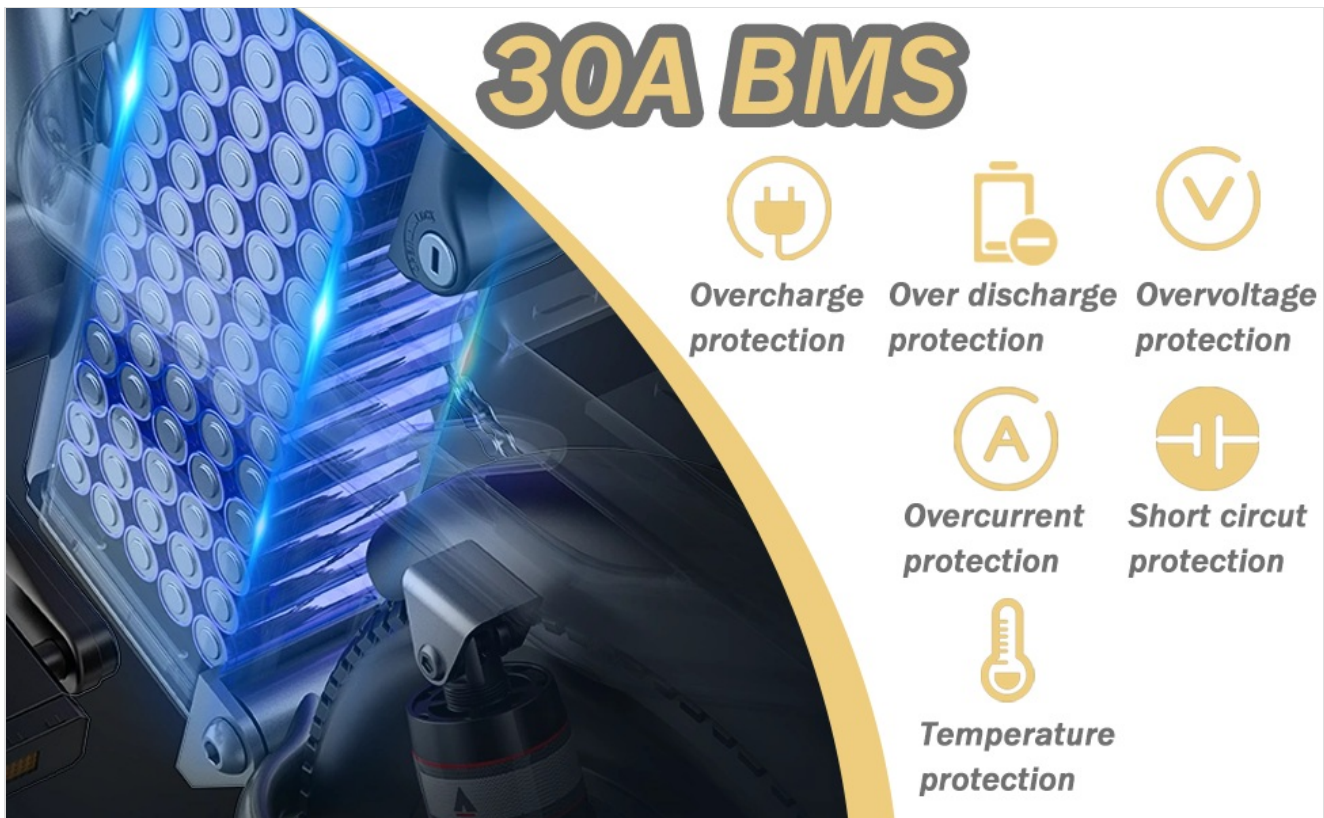


Figure 6: Contents of the Cefito 48V 13Ah battery package: battery, charger, keys, and screws. Verify all items are present upon unboxing.

3. SETUP AND INSTALLATION

Before installation, ensure the battery's dimensions (14.4 x 5.1 x 3.4 inches) and discharge port are compatible with your folding e-bike. The battery is designed for easy replacement and secure mounting.

3.1 Installation Steps

1. **Prepare the E-bike:** Ensure your e-bike is turned off and stable before beginning installation.
2. **Remove Old Battery (if applicable):** Unlock and carefully remove the existing battery from its mount.
3. **Install Mounting Bracket:** If not already installed, secure the provided mounting bracket to your e-bike frame using the included screws. Ensure it is firmly attached.
4. **Insert New Battery:** Align the Cefito 48V 13Ah battery with the mounting bracket and slide it into place until it clicks securely.
5. **Lock the Battery:** Use the provided key to lock the battery onto the bracket. This prevents theft and ensures the battery remains in place during operation.
6. **Connect Discharge Plug:** Connect the battery's discharge plug to your e-bike's motor system.

Your browser does not support the video tag.

Video 1: Folding Ebike Battery DCH-006 Installation. This video demonstrates the installation process of a folding ebike battery, including removal of an old battery and securing the new one.

4. OPERATION

Once the battery is securely installed and connected, you can power on your e-bike. Refer to your e-bike's specific user manual for instructions on operating its display and motor system. The battery provides power to the motor,

enabling electric assist for your ride.

Your browser does not support the video tag.

Video 2: 48V Folding Ebike Battery Overview. This video provides a brief overview of the 48V Folding Ebike Battery, highlighting its design and features.

5. CHARGING

To charge the battery, use only the provided 54.6V 2A fast charger. The charge current for the charge socket should not exceed 5 amps.

5.1 Charging Procedure

1. **Connect Charger:** Plug the charger into the battery's charge socket.
2. **Connect to Power:** Plug the charger into a standard wall outlet.
3. **Monitor Charging:** The charger will typically have an indicator light to show charging status (e.g., red for charging, green for fully charged).
4. **Disconnect:** Once fully charged, disconnect the charger from the wall outlet first, then from the battery.

Note: Avoid overcharging the battery. Disconnect the charger once charging is complete.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your battery.

- **Regular Cleaning:** Keep the battery and its contacts clean and dry. Use a soft, dry cloth to wipe away dust or dirt.
 - **Storage:** When storing the battery for extended periods, ensure it is charged to approximately 50-70% capacity. Store in a cool, dry place away from direct sunlight and extreme temperatures. Recharge every 2-3 months to prevent deep discharge.
 - **Avoid Extreme Temperatures:** Do not expose the battery to temperatures below -10°C (14°F) or above 45°C (113°F).
 - **Inspect Regularly:** Periodically check the battery for any signs of damage, swelling, or leakage. If any issues are observed, discontinue use and contact support.
-

7. SAFETY GUIDELINES

Adhere to the following safety guidelines to prevent injury or damage.

- Do not disassemble, puncture, or modify the battery.
 - Do not immerse the battery in water or expose it to excessive moisture.
 - Keep the battery away from heat sources, open flames, and flammable materials.
 - Use only the specified charger for this battery.
 - Keep out of reach of children.
 - In case of fire, use a Class D fire extinguisher (for lithium-ion batteries). Do not use water.
 - Dispose of the battery according to local regulations for lithium-ion batteries.
-

8. TROUBLESHOOTING

If you encounter issues with your battery, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Battery not charging	Charger not connected properly; faulty charger; battery issue.	Ensure charger is securely plugged into battery and wall. Check charger indicator light. Try a different outlet. If problem persists, contact support.
E-bike not powering on	Battery not locked; discharge plug loose; battery depleted.	Ensure battery is fully locked into its mount. Check discharge plug connection. Verify battery charge level and recharge if necessary.
Reduced range/performance	Battery not fully charged; aging battery; extreme temperatures.	Ensure battery is fully charged before use. Operate within recommended temperature ranges. Battery capacity naturally degrades over time.

If these steps do not resolve the issue, please contact Cefito customer support.

9. SPECIFICATIONS

Feature	Specification
Model Name	48V 13Ah
Battery Type	Lithium-ion
Nominal Voltage	48V
Nominal Capacity	13Ah
Battery Dimensions	14.4 x 5.1 x 3.4 inches (365 x 130 x 87 mm)
Battery Weight	9.0 lb
BMS	30A (Overcharge, Over discharge, Overcurrent, Short circuit, Overvoltage, Temperature protection)
Compatible Motor Power	100W / 250W / 350W / 500W / 700W / 1000W
Charger	54.6V 2A Fast Charger
Charge Cycle Life	≥1000 cycles (retains ≥85% capacity)

10. WARRANTY AND SUPPORT

Your Cefito 48V 13Ah Folding Ebike Lithium Battery is backed by a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance under normal use.

If you experience any issues with your battery, including installation difficulties, damage, inability to charge, or delivery concerns, please contact our customer service team. We are committed to resolving issues within 24 hours to ensure a seamless experience.

For support, please refer to the contact information provided with your purchase or visit the Cefito store on Amazon: [Cefito Store](#).