EBKAROCY 48V 15Ah For 750W EBKAROCY electric bike

EBKAROCY Electric Bike Battery User Manual

48V 15Ah Lithium-Ion Removable Battery

1. Introduction

This manual provides essential information for the safe and efficient use of your EBKAROCY 48V 15Ah Lithium-Ion Removable Battery, designed specifically for 750W EBKAROCY electric bikes. Please read this manual thoroughly before initial use to ensure proper operation, maintenance, and to maximize the lifespan of your battery.

2. Safety Instructions

Your safety is paramount. Adhere to the following safety guidelines:

- Always use the original charger provided by EBKAROCY. Using unauthorized chargers can damage the battery and pose a fire risk.
- Do not expose the battery to extreme temperatures (above 60°C or below -10°C), direct sunlight for prolonged periods, or open flames.
- Avoid short-circuiting the battery terminals.
- Do not immerse the battery in water or other liquids.
- Keep the battery away from children and pets.
- Do not disassemble, puncture, or modify the battery in any way. This can lead to serious injury or fire.
- If the battery shows signs of damage, leakage, or overheating, discontinue use immediately and contact customer support.
- Dispose of the battery responsibly according to local regulations. Do not dispose of it with household waste.

3. Product Overview

The EBKAROCY 48V 15Ah Lithium-Ion battery is a high-capacity power source designed for optimal performance with your electric bike. It features a removable design for convenient charging and enhanced security with an anti-theft locking mechanism.





Figure 3.1: Front view of the EBKAROCY 48V 15Ah Lithium-Ion Battery. This image shows the sleek black casing of the battery with a

push-button release mechanism visible at the top.



Figure 3.2: The removable battery installed on an electric bike frame. The image highlights the 'REMOVABLE BATTERY' feature and indicates mileage ranges: 43-68 miles in auxiliary mode and 20-30 miles in pure electric mode for the 48V 15Ah Lithium Battery.





Figure 3.3: Close-up of the battery's top section, showing the integrated lock and two keys. This illustrates the anti-theft mechanism for securing the battery to the bike frame.



Figure 3.4: The battery installed on the bike, displaying the charge indicator lights. The image shows the battery's top panel with LED indicators for charge level and the key inserted into the lock.



Figure 3.5: A full view of the EBKAROCY electric bike with the 48V 15Ah battery securely installed on the frame. This provides a visual context of the battery's placement on the bicycle.

4. Setup

Before your first ride, ensure the battery is properly installed and charged.

1. **Installation:** Align the battery with the mounting bracket on your EBKAROCY electric bike. Slide the battery down until it clicks securely into place. Use the provided key to lock the battery to the frame for anti-theft protection.
2. **Removal:** Unlock the battery using the key. Press the release button (if applicable, refer to Figure 3.1) and slide the battery upwards to remove it from the frame.
3. **Initial Charge:** For optimal battery life, fully charge the battery before its first use. Connect the charger to the battery's charging port, then plug the charger into a standard wall outlet. The indicator light on the charger will change (e.g., from red to green) when charging is complete.

5. Operating Instructions

Understanding how to operate your battery correctly will enhance your riding experience.

- **Power On/Off:** The battery typically powers on automatically when installed and the bike's main power switch is activated. Refer to your electric bike's main manual for specific power controls.
- **Charging:** Charge the battery in a well-ventilated area, away from flammable materials. It is recommended to charge the battery after each significant use, rather than waiting for it to be completely depleted.
- **Battery Level Indicator:** The battery features an LED indicator (refer to Figure 3.4) to show the current charge level. Monitor this indicator to plan your rides and recharges.

- **Anti-Theft Feature:** Always use the key to lock the battery to your bike when leaving it unattended. This significantly reduces the risk of theft.

6. Maintenance

Proper maintenance extends the life and performance of your battery.

- **Cleaning:** Wipe the battery casing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charging port is clean and dry before charging.
- **Storage:** If storing the battery for an extended period (more than one month), charge it to approximately 50-70% capacity. Store it in a cool, dry place, away from direct sunlight and extreme temperatures. Recharge it every 2-3 months to prevent deep discharge.
- **Temperature:** Avoid operating or charging the battery in extremely hot or cold conditions, as this can affect performance and lifespan.

7. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Battery not charging	Charger not connected properly; Faulty charger/outlet; Battery too hot/cold	Check connections; Try a different outlet; Allow battery to reach room temperature.
Battery not powering bike	Battery not fully charged; Battery not securely installed; Bike's power switch off	Charge battery fully; Reinstall battery securely; Turn on bike's power switch.
Reduced range	Low tire pressure; Riding uphill frequently; Heavy load; Aging battery	Check tire pressure; Adjust riding style; Battery may need replacement over time.
Battery indicator not working	Loose connection; Internal fault	Ensure battery is seated correctly; Contact customer support if issue persists.

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

8. Specifications

Key technical specifications for your EBKAROCY battery:

Feature	Specification
Battery Type	Lithium-Ion
Voltage	48V
Capacity	15Ah
Wattage	750W (for compatible bikes)
Lithium Battery Energy Content	720 Watt Hours

Feature	Specification
Special Feature	Removable Anti-Theft Battery
Color	Black
Material	Plastic

9. Warranty and Support

EBKAROCY provides a 1-year warranty for this product. Please retain your proof of purchase for warranty claims. For technical support, warranty inquiries, or any other questions, please contact EBKAROCY customer service through the retailer where you purchased the product or visit the official EBKAROCY website.
Thank you for choosing EBKAROCY. Enjoy your ride!

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