

## Generic HI-786

# HI CURRENT E-BIKE BATTERY User Manual

Brand: Generic | Model: HI-786

## 1. INTRODUCTION

Thank you for choosing the Generic HI CURRENT E-BIKE BATTERY. This high-quality KIZO battery is designed to provide reliable power for your e-bike, offering great service and a long life. This manual provides essential information on the setup, operation, maintenance, and troubleshooting of your new battery to ensure optimal performance and safety.

## 2. PRODUCT OVERVIEW

The HI CURRENT E-BIKE BATTERY is a robust 28 AH 12 V lead-acid battery, specifically engineered for electric scooters and e-bikes. Its design focuses on durability and consistent power delivery.

- **Voltage:** 12 Volts
- **Capacity:** 28 Ampere-hours (AH)
- **Type:** Rechargeable Lead-Acid Battery
- **Model:** 6-DZF-23L
- **Application:** Best suitable for all types of electric scooty.



Figure 2.1: Generic HI CURRENT E-BIKE BATTERY, showing the battery itself surrounded by its packaging.



Figure 2.2: Detailed view of the HI CURRENT E-BIKE BATTERY label, displaying specifications like 12V28Ah/20hr, 6-DZF-23L, and customer care information.

### 3. TECHNICAL SPECIFICATIONS

Specification	Value
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Specification	Value
Brand	Generic
Model Number	HI-786
Product Dimensions	8 x 15 x 18 cm
Item Weight	7 kg
Amperage	28 Amps
Voltage	12 Volts
Number Of Cells	6
Manufacturer	yamaha

## 4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your e-bike battery. If you are unsure about any step, it is recommended to seek professional assistance.

### 4.1 Pre-Installation Checklist

- Ensure the e-bike is turned off and the ignition key is removed.
- Wear appropriate safety gear, including gloves and eye protection.
- Verify that the battery specifications (voltage, amperage) match your e-bike's requirements.
- Inspect the battery for any physical damage or leaks before installation.

### 4.2 Installation Steps

1. Locate the battery compartment on your e-bike. This is typically under the seat or within the frame.
2. If replacing an old battery, carefully disconnect the negative (-) terminal first, followed by the positive (+) terminal. Remove the old battery.
3. Clean the battery tray and terminals to ensure good contact.
4. Place the new HI CURRENT battery securely in the compartment. Ensure it is stable and does not move.
5. Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are tight and secure.
6. Close the battery compartment and secure any covers.
7. Perform a quick test by turning on the e-bike to confirm power.

## 5. OPERATING INSTRUCTIONS

To maximize the lifespan and performance of your HI CURRENT E-BIKE BATTERY, follow these operating guidelines:

### 5.1 Initial Charge

Before first use, fully charge the battery using a compatible 12V lead-acid battery charger. Refer to your charger's manual for specific instructions. An initial full charge helps condition the battery for optimal performance.

### 5.2 Regular Charging

- Always use a charger specifically designed for 12V lead-acid batteries.
- Avoid overcharging or undercharging the battery, as both can reduce its lifespan.

- Charge the battery in a well-ventilated area, away from flammable materials.
- Disconnect the charger once the battery is fully charged.

### 5.3 Usage Tips

- Avoid deep discharges. Recharge the battery when its charge level drops significantly, rather than waiting for it to be completely depleted.
- Do not expose the battery to extreme temperatures (very hot or very cold) for extended periods.
- Ensure all connections are clean and tight to prevent power loss and overheating.

## 6. MAINTENANCE

Regular maintenance will help extend the life of your HI CURRENT E-BIKE BATTERY and ensure its reliable operation.

- **Terminal Cleaning:** Periodically inspect battery terminals for corrosion. Clean them with a wire brush and a mixture of baking soda and water if corrosion is present. Rinse with clean water and dry thoroughly.
- **Case Inspection:** Check the battery case for any cracks, bulges, or leaks. If any damage is observed, discontinue use and replace the battery.
- **Storage:** If storing the e-bike or battery for an extended period, ensure the battery is fully charged before storage. Store it in a cool, dry place. Recharge every 1-2 months to prevent self-discharge and sulfation.
- **Ventilation:** Ensure the battery compartment has adequate ventilation, especially during charging, to dissipate any gases.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your e-bike battery. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Battery not charging	Loose charger connection, faulty charger, battery deeply discharged, internal battery fault.	Check charger connections. Try a different charger if available. If deeply discharged, a specialized charger might be needed. If still no charge, battery may need replacement.
E-bike not starting/low power	Low battery charge, loose battery terminals, corroded terminals, faulty wiring.	Charge the battery fully. Inspect and tighten battery terminals. Clean any corrosion. Check e-bike wiring for damage.
Battery overheating during charge/discharge	Faulty charger, internal battery short, poor ventilation.	Immediately disconnect the charger. Ensure adequate ventilation. If overheating persists, discontinue use and seek professional help.
Reduced battery range/life	Aging battery, improper charging habits, extreme operating temperatures.	Ensure proper charging cycles. Avoid deep discharges. Operate and store battery within recommended temperature ranges. Battery may be nearing end of life.

## 8. SAFETY INFORMATION

Please read and adhere to all safety warnings to prevent injury or damage.

- **Explosion Hazard:** Batteries can produce explosive gases. Keep sparks, flames, and cigarettes away from the battery. Ensure good ventilation when charging.

- **Corrosive Acid:** This battery contains sulfuric acid, which is corrosive. Avoid contact with skin, eyes, or clothing. In case of contact, flush immediately with water and seek medical attention.
- **Electrical Shock:** Do not short-circuit battery terminals. Use insulated tools when working with the battery.
- **Handling:** Always lift the battery with appropriate support. Do not drop the battery.
- **Disposal:** Dispose of old batteries responsibly according to local regulations. Do not dispose of batteries in household waste.
- **Children:** Keep batteries out of reach of children.

## 9. WARRANTY AND SUPPORT

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Specific warranty details for the Generic HI CURRENT E-BIKE BATTERY are not provided in this manual. For warranty claims or technical support, please contact the manufacturer or your point of purchase.

For customer care, you may refer to the number provided on the product label:

**Customer Care:** [+91 8881688898](tel:+918881688898)

You can also visit the manufacturer's website for more information: [www.hindustanpower.in](http://www.hindustanpower.in)