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EBKAROCY Mini

EBKAROCY Mini Electric Bike User Manual

Model: Mini

1. Introduction

Thank you for choosing the EBKAROCY Mini Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



Image 1.1: The EBKAROCY Mini Electric Bike in both unfolded and folded configurations, showcasing its compact design.

2. Important Safety Warnings

Your safety is paramount. Always adhere to the following guidelines:

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations regarding electric bicycles.

- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions, such as heavy rain or snow.
- Ensure all fasteners are securely tightened before riding.
- The bike is designed for adult use.



Image 2.1: The electric bike equipped with front and rear lights, essential for visibility and safety during nighttime riding.

3. Assembly and Initial Setup

The EBKAROCY Mini Electric Bike arrives approximately 95% pre-assembled. The remaining steps typically involve unfolding the bike, securing the handlebars, attaching pedals, and ensuring the seat post is correctly inserted and tightened. Please follow these general steps:

1. **Unfolding the Frame:** Carefully unfold the main frame until it locks into place. Secure any quick-release levers.
2. **Handlebar Adjustment:** Raise the handlebar stem and secure it. Adjust the handlebar angle for comfortable riding.
3. **Seat Post Installation:** Insert the seat post into the frame and adjust the height to your preference. Ensure the quick-release clamp is securely tightened.
4. **Pedal Attachment:** Identify the left (L) and right (R) pedals. Thread them into the crank arms by hand, then tighten securely with a wrench. Note that the left pedal is reverse-threaded.
5. **Battery Installation:** If the battery is not pre-installed, slide it into its compartment and lock it using the provided key.
6. **Pre-Ride Check:** Before your first ride, double-check all connections, brakes, and tire pressure.



Image 3.1: Demonstrates the compact folded size of the electric bike, allowing for easy storage and transport in a car trunk.

4. Key Components Overview

Understanding the main components of your electric bike is crucial for proper operation and maintenance.

- **Motor:** 400W brushless motor, integrated into the rear wheel hub, providing electric assistance.
- **Battery:** 48V 15AH removable lithium battery, offering power for electric and pedal-assist modes. Features anti-theft design.
- **Display:** HD LCD display on the handlebars shows speed, battery level, and riding mode.
- **Brakes:** Disc brakes on both front and rear wheels for reliable stopping power.
- **Tires:** 14-inch vacuum puncture-resistant tires.
- **Suspension:** Features multiple shock absorption areas including Mid-Mounted Shock Absorber, Hydraulic Shock Absorber, and Seat Pack double spring shock for enhanced comfort.

- **Phone Holder:** Integrated phone holder with USB charging port for convenience.



Image 4.1: Detailed view of the high-quality 400W brushless motor and the disc brake system.



Image 4.2: Illustration of the bike's four shock absorption areas, including mid-mounted, hydraulic, and seat spring shocks.



Image 4.3: A detailed view of the front wheel and its disc brake mechanism.

5. Operating Instructions

5.1 Riding Modes

Your EBKAROCY Mini Electric Bike offers three distinct riding modes:

- **Pedal-Assist Mode:** Provides motor assistance as you pedal, making riding easier, especially on inclines.
- **Full Electric Mode:** The motor powers the bike completely, without the need for pedaling.
- **Traditional Pedal Mode:** Functions as a regular bicycle, with no motor assistance.

To select and adjust your preferred speed or mode, use the 'M' button located next to the LCD display on the handlebars.

5.2 Display and Controls

The HD LCD display provides real-time information about your ride. It typically shows:

- Current Speed
- Battery Level
- Selected Riding Mode (PAS level)

The integrated phone holder allows you to mount your smartphone and utilize the USB charging port to keep your device powered during your ride.

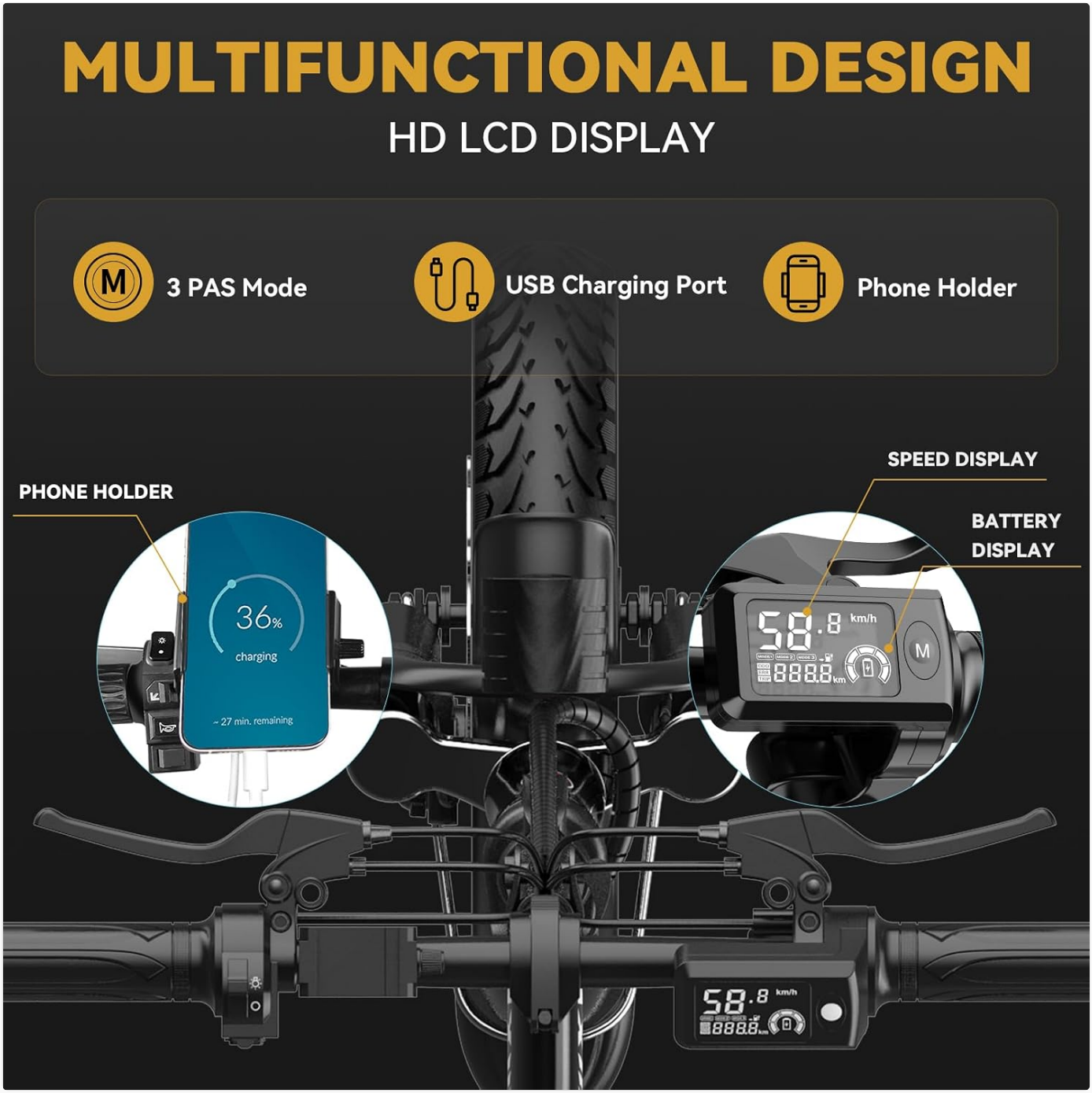


Image 5.1: The handlebar setup, featuring the HD LCD display, mode button, and integrated phone holder with charging capability.



Image 5.2: A close-up view of the phone holder, demonstrating a smartphone being charged via the integrated USB port.



Image 5.3: A detailed shot of the handlebar display unit and the key ignition for the electric bike.

5.3 Charging the Battery

The 48V 15AH lithium battery is detachable and can be charged in two ways:

1. **On-Bike Charging:** Connect the charger directly to the charging port on the bike while the battery is installed.
2. **Off-Bike Charging:** Remove the battery from the bike and connect it to the charger independently. This is convenient for charging indoors or in locations away from the bike.

A full charge typically takes 4-5 hours. The battery features charging protection, is waterproof, and includes voltage equalization for optimal performance and longevity.



Image 5.4: Visual representation of the 48V 15AH battery, highlighting its removable, lockable, and anti-theft features, along with charging time and range.



Image 5.5: Depiction of the two available charging modes: charging the battery while installed on the bike, and charging the battery separately after removal.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your electric bike.

- **Cleaning:** Wipe down the bike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 1-2 months.
- **Tire Pressure:** Check tire pressure regularly and inflate to the recommended PSI (usually found on the tire sidewall).
- **Brakes:** Inspect brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth pedaling.
- **Fasteners:** Periodically check and tighten all bolts and screws, especially on critical components like handlebars, seat post, and wheels.

7. Troubleshooting

This section addresses common issues you might encounter with your EBKAROCY Mini Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not properly seated, power cable loose, key not turned.	Charge battery, ensure battery is fully inserted and locked, check cable connections, turn key to 'ON' position.
Motor not assisting	Low battery, incorrect riding mode selected, motor connection issue.	Check battery level and charge if low, switch to pedal-assist or full electric mode, inspect motor cable.
Flat tire	Puncture, low tire pressure.	Inspect tire for punctures and repair/replace tube, inflate tire to recommended pressure.
Brakes feel weak	Worn brake pads, loose brake cable, air in hydraulic system (if applicable).	Inspect and replace brake pads, adjust brake cable tension, consult a professional for hydraulic brake issues.
Phone holder broken	Physical damage.	Contact customer support for replacement parts.

If you encounter an issue not listed here or require further assistance, please contact EBKAROCY customer support.

8. Product Specifications

Detailed technical specifications for the EBKAROCY Mini Electric Bike.

Feature	Specification

Feature	Specification
Bike Type	Electric Bike
Model Name	Mini
Age Range	Adult
Motor Wattage	400W
Battery	48V 15AH Lithium (Removable)
Top Speed	Up to 20 MPH
Wheel Size	14 Inches
Frame Material	Alloy Steel
Suspension Type	Dual (Mid-Mounted, Hydraulic, Seat Pack & Riser Spring)
Brake Style	Disc
Special Feature	Foldable
Electric Assist Type	Pedelec and Throttle
Assembly Required	Yes (95% pre-assembled)
Max Load Capacity	300 lbs
Rider Height Range	5' - 6'

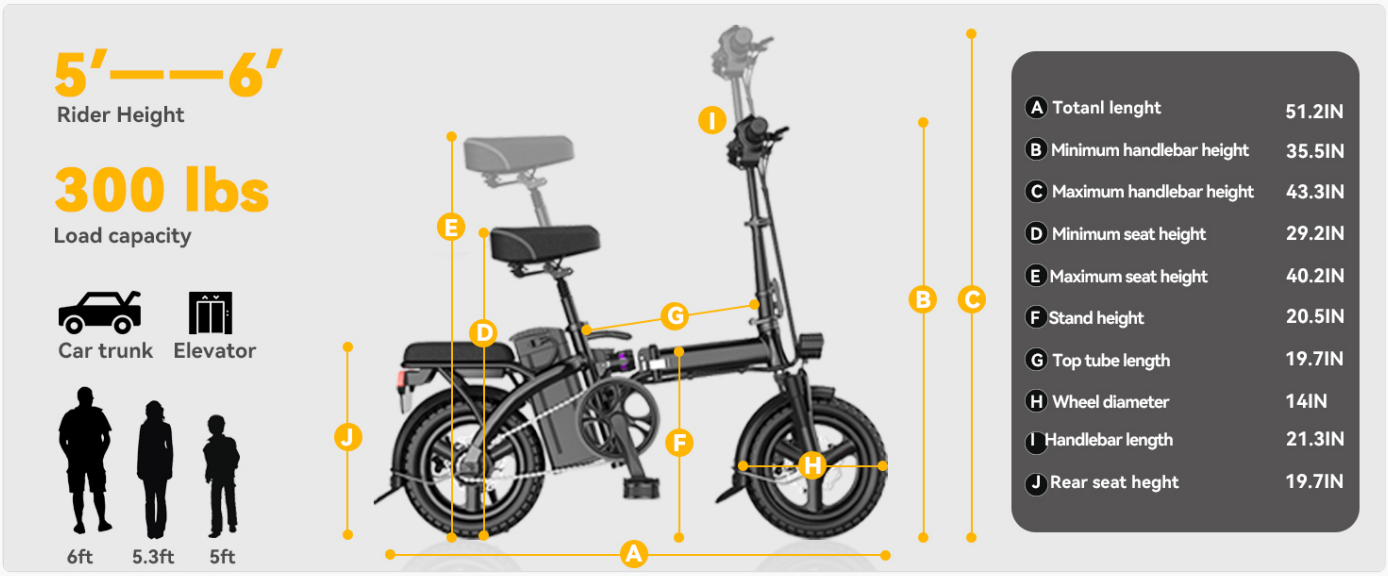


Image 8.1: Detailed dimensional diagram of the electric bike, including total length, handlebar height, seat height, wheel diameter, and load capacity.

9. Warranty and Support

EBKAROCY is committed to providing high-quality products and ensuring customer satisfaction. Each electric bike

undergoes rigorous testing and screening.

For any questions, concerns, or support needs regarding your EBKAROCY Mini Electric Bike, please do not hesitate to reach out to our customer service team. We are dedicated to assisting you and ensuring a positive experience with our product.

Please refer to your purchase documentation or the EBKAROCY official website for specific warranty terms and contact information.

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