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EBKAROCY EBKAROCY2022Y400W

EBKAROCY Foldable Adult Electric Bicycle User Manual

Model: EBKAROCY2022Y400W

Brand: EBKAROCY

1. Introduction

Welcome to the EBKAROCY Foldable Adult Electric Bicycle user manual. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference.

The EBKAROCY electric bike is designed for city commuting and offers a blend of power, comfort, and portability. It features a 400W motor, a 48V 15AH removable battery, and a multi-shock absorption system for a smooth riding experience.



Figure 1: EBKAROCY Foldable Adult Electric Bicycle in its full form.

2. Product Features

2.1 High Quality Motor & Battery Durability

Your EBKAROCY electric bike is equipped with a powerful 400W motor, capable of reaching a maximum speed of 20MPH and conquering inclines of up to 25%. The 48V 15Ah high-capacity lithium battery provides a travel range of up to 32 miles on a single charge in pure power mode (based on a 154-pound rider). The battery is removable, offering convenience for charging and enhanced security with its anti-theft design.



Figure 2: Illustration of the high-quality 400W motor and its specifications.



Figure 3: Close-up of the anti-theft removable 48V 15AH lithium battery.

2.2 Multiple Shock Absorption Design

Experience a comfortable ride even on bumpy roads thanks to the four shock absorption areas: Mid-Mounted Shock Absorber, Hydraulic Shock Absorber, Seat Pack double spring shock, and Riser Spring shock. These components work in conjunction to minimize physical discomfort during rides, making it ideal for urban environments.



Figure 4: Diagram illustrating the various shock absorption points on the bicycle.

2.3 Absolute Safety & Absolute Comfort

The bicycle frame is constructed from high-cost high-carbon steel, known for its hardness, durability, and strong shock absorption properties, ensuring rider safety. The seat is made of high-density sponge material, providing softness and strong resilience to alleviate hip fatigue during long rides, offering ultimate riding comfort.



Figure 5: Overview of the bicycle highlighting its safety and comfort features.

2.4 Foldable & Convenient Design

The EBKAROCY electric bike is designed for portability. When folded, it measures 27x17x26 inches and weighs approximately 55 pounds, making it easy to store and transport. Both the seat and handlebar are height-adjustable to accommodate various rider preferences. It features 3 speed gears, easily selectable via the 'M' button next to the LCD display. A built-in mobile phone holder with a USB charging port adds further convenience and safety during your rides.



Figure 6: Detailed view of the handlebar with HD LCD display, throttle, USB interface, and phone holder.

3. Setup

Your EBKAROCY electric bike arrives 95% assembled, minimizing the time required for setup. A tool kit is included to assist with the final assembly steps.

3.1 Unboxing and Initial Inspection

1. Carefully remove the bicycle from its packaging.
2. Inspect all components for any signs of damage during transit. Report any damage immediately.
3. Ensure all included components, such as the tool kit, charger, and keys, are present.

3.2 Final Assembly Steps

1. **Handlebar Adjustment:** Loosen the quick-release lever on the handlebar stem. Adjust the handlebar to your desired height and tighten the lever securely.
2. **Seat Adjustment:** Loosen the quick-release lever on the seat post. Adjust the seat height to ensure comfortable pedaling with a slight bend in your knee at the lowest pedal position. Tighten the lever securely.

3. **Pedal Installation:** The pedals are foldable. Ensure they are securely unfolded and locked into place before riding.
4. **Battery Installation:** Insert the 48V 15Ah removable battery into its compartment. Ensure it clicks securely into place. Use the provided key to lock the battery for security.
5. **Tire Pressure:** Check the tire pressure before your first ride. Ensure tires are inflated to the recommended PSI (refer to tire sidewall for details).

4. Operating Instructions

4.1 Powering On/Off

Insert the key into the ignition slot on the handlebar and turn it to the 'ON' position to power on the bicycle. The LCD display will illuminate. To power off, turn the key to the 'OFF' position.

4.2 Speed Modes

The bicycle features 3 speed gears (M1, M2, M3). Press the 'M' button next to the LCD display to cycle through the speed modes. Select the mode that best suits your riding conditions and desired speed.

4.3 Throttle Operation

The electric bike can be operated using the throttle for pure electric power. Gently twist the throttle handle on the right side of the handlebar to accelerate. Release the throttle to slow down.

4.4 Braking

The bicycle is equipped with disc brakes for reliable stopping power. Squeeze the brake levers on the handlebars to engage the brakes. Apply both front and rear brakes simultaneously for optimal stopping performance.

4.5 Lights and Indicators

The bicycle includes a front headlight and rear tail lights for visibility. Turn signals are also integrated for indicating turns. Refer to the handlebar controls for operating these features.

4.6 USB Charging Port

The mobile phone holder on the handlebar includes a USB charging port. Connect your device to this port to charge it while riding.

5. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your EBKAROCY electric bicycle.

5.1 Battery Care

- Charge the battery fully after each ride, especially if it has been significantly discharged.
- Avoid completely draining the battery.
- Store the battery in a cool, dry place when not in use.
- If storing for an extended period, charge the battery to 50-70% every 1-2 months.

5.2 Tire Maintenance

- Regularly check tire pressure and inflate to the recommended PSI.

- Inspect tires for wear, punctures, or damage before each ride.

5.3 General Cleaning

- Clean the bicycle regularly with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- Lubricate the chain periodically to ensure smooth operation.

6. Troubleshooting

If you encounter any issues with your EBKAROCY electric bicycle, please refer to the following common troubleshooting tips. For more complex problems, contact customer support.

- **Bike not powering on:** Ensure the battery is fully charged and properly inserted. Check if the key is turned to the 'ON' position.
- **Motor not engaging:** Verify that the battery has sufficient charge. Check all cable connections for looseness.
- **Reduced range:** This could be due to low tire pressure, riding against strong headwinds, or carrying excessive weight. Ensure proper tire inflation and consider riding conditions.
- **Brakes not effective:** Inspect brake pads for wear and ensure brake cables are properly tensioned.

7. Specifications

Feature	Specification
Bike Type	Electric Bike
Age Range (Description)	Adult
Brand	EBKAROCY
Number of Speeds	3
Color	Black
Wheel Size	14 Inches
Frame Material	Carbon Steel
Suspension Type	Front
Special Feature	Foldable
Included Components	Tool Kit
Item Weight	55 Pounds
Model Name	Electric Bike
Power Source	Electric motor
Wattage	400 watts
Maximum Weight Recommendation	154 Pounds
Assembly Required	Yes (95% assembled)

Brake Style	Disc

8. Warranty & Support

EBKAROCY is committed to providing high-quality products and excellent customer satisfaction. Every e-bike undergoes testing and screening to ensure quality control.
Your EBKAROCY electric bicycle comes with a **1-year limited warranty**. We offer a 90-day warranty with free replacement parts for any manufacturing defects.
If you have any questions, require assistance with assembly, operation, or encounter any issues, please do not hesitate to contact the EBKAROCY Support Team. Our team is dedicated to serving customers with the utmost sincerity and aims for 100% customer satisfaction.
For further details, you may also refer to the official User Manual PDF: Download User Manual (PDF)

9. Important Safety Information

Always prioritize safety when operating your electric bicycle. Failure to follow safety guidelines can result in serious injury or damage to the product.

- Always wear a helmet and appropriate safety gear while riding.
- Familiarize yourself with local traffic laws and regulations regarding electric bicycles.
- Perform a pre-ride inspection before each use, checking brakes, tires, and all connections.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions, such as heavy rain, snow, or ice.
- Do not exceed the maximum weight recommendation of 154 pounds.
- Be aware of your surroundings and ride defensively.

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