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## POWBEN k300-10ah

# POWBEN 14" Smart Urban Folding Electric Bicycle User Manual

Model: K300-10AH

## 1. INTRODUCTION

Thank you for choosing the POWBEN 14" Smart Urban Folding Electric Bicycle. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new e-bike. Please read this manual thoroughly before your first ride and keep it for future reference.

The POWBEN K300-10AH is designed for urban commuting and leisure, offering a blend of portability, power, and comfort. Its folding design makes it easy to store and transport, while the electric assist provides a smooth and enjoyable riding experience.

## 2. SAFETY GUIDELINES

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

- Always wear a helmet that meets safety standards.
- Obey all local traffic laws and regulations.
- Perform a pre-ride check before each use, ensuring brakes, tires, and battery are in good condition.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and other road users.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Do not exceed the maximum load capacity of 264 lbs (120 kg).
- Ensure the folding mechanism is securely locked before riding.

## 3. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your POWBEN e-bike:

- **Frame:** Aluminum alloy, foldable design.
- **Motor:** 250W brushless motor.
- **Battery:** 48V 10Ah (480Wh) removable lithium battery.
- **Wheels:** 14-inch puncture-proof vacuum tires.

- **Brakes:** Front and rear disc brakes with E-ABS braking system.
- **Suspension:** Multiple damping system (double suspension, center spring, four-suspension).
- **Handlebar:** Adjustable height.
- **Seat:** Adjustable height.
- **Lights:** Height-adjustable headlight and taillight with integrated brake and turn signal.
- **Display:** LED display.



Figure 3.1: Overview of the POWBEN Folding Electric Bicycle.

## 4. SETUP AND ASSEMBLY

Your e-bike comes mostly pre-assembled. Follow these steps for final setup:

1. **Unpacking:** Carefully remove the e-bike and all accessories from the packaging. Check for any damage during

transit.

2. **Unfolding the Frame:** Release the frame latch and unfold the bicycle until it clicks into place. Secure the latch firmly.
3. **Handlebar Installation/Adjustment:** Raise the handlebar stem and lock it. Adjust the handlebar height to a comfortable position and secure the quick-release lever.
4. **Seat Post Installation/Adjustment:** Insert the seat post into the frame. Adjust the seat height so your feet can comfortably touch the ground when stopped. Secure the quick-release lever.
5. **Pedal Installation:** Identify the left (L) and right (R) pedals. Screw them into the crank arms (left pedal counter-clockwise, right pedal clockwise) and tighten with a wrench from the included tool kit.
6. **Battery Installation & Charging:** Insert the removable battery into its compartment. Ensure it is securely locked. Fully charge the battery before first use (3-4 hours).
7. **Tire Pressure Check:** Ensure tires are inflated to the recommended pressure (refer to tire sidewall for details).



Figure 4.1: The portable folding design allows for easy storage and transport.

## 5. OPERATING INSTRUCTIONS

Operating your POWBEN e-bike is straightforward:

### 5.1 Powering On/Off

- To turn on: Press and hold the power button on the LED display.
- To turn off: Press and hold the power button again.

### 5.2 Riding Modes

The e-bike offers 3 riding modes:

- **Pure Electric Mode:** Use the throttle for propulsion without pedaling.
- **Pedal Assist Mode (Assistance):** The motor provides assistance as you pedal, making riding easier, especially uphill.
- **Sport Mode (Manual):** Ride the bike like a traditional bicycle without motor assistance.

Switch between modes using the controls on the handlebar.

### 5.3 Braking System

The e-bike is equipped with reliable disc brakes and an E-ABS braking system for enhanced safety.

- Apply both brake levers smoothly and evenly for effective stopping.
- The E-ABS system helps prevent wheel lock-up during sudden braking.



Figure 5.1: E-ABS Braking System for enhanced safety.

## 5.4 Lights

Ensure your lights are functional for visibility, especially during low-light conditions.

- The headlight is height-adjustable for optimal illumination.
- The taillight includes integrated brake and turn signal functions.



Figure 5.2: Headlight and Taillight for improved visibility and safety.

## 6. MAINTENANCE

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

### 6.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid fully discharging the battery frequently.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.

# 48V10AH

## Using LG Brand Car Lithium Battery

Adopting high-performance lithium batteries from the world's top brands, the same battery size has a longer range, the power and speed remain unchanged, and amazing pure electric cruising is achieved

**25-40**  
**MILES**

**2200**  
**CYCLE**

**40%**  
**ENHANCE**

Figure 6.1: The 48V 10Ah battery provides reliable power and range.

## 6.2 Tire Care

- Regularly check tire pressure and inflate to the recommended PSI.
- Inspect tires for wear, cuts, or embedded objects.



Figure 6.2: The 14-inch explosion-proof vacuum tires are designed for durability across various terrains.

### 6.3 Brakes

- Check brake pads for wear and replace if necessary.
- Ensure brake levers are firm and responsive. Adjust cable tension if needed.

### 6.4 General Cleaning & Storage

- Clean the e-bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Lubricate the chain regularly.
- Store the e-bike in a dry, secure location, preferably indoors, to protect it from elements.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
E-bike does not power on	Battery not charged or not properly installed; Power button not pressed correctly.	Charge battery fully; Ensure battery is securely seated; Press and hold power button firmly.
Motor not assisting	Battery low; Incorrect riding mode selected; Loose motor connection.	Charge battery; Switch to Pedal Assist or Pure Electric mode; Check motor cable connections.
Brakes feel weak	Worn brake pads; Loose brake cable; Disc rotor dirty.	Inspect and replace brake pads; Adjust brake cable tension; Clean disc rotor with appropriate cleaner.
Unusual noises during ride	Loose components; Dry chain; Bearing issue.	Check all bolts and quick releases; Lubricate chain; Consult customer support if noise persists.

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

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	K300-10AH
Product Dimensions	133 x 32 x 110 cm
Item Weight	32 kg (70.5 lbs)
Frame Material	Aluminum Alloy
Motor Wattage	250 Watts
Battery	48V 10Ah (480Wh) Removable
Max Speed	25 km/h (15.5 mph)
Range (Assist Mode)	Up to 30 km (18.6 miles)
Charging Time	3-4 hours
Wheel Size	14 inches (35.6 cm)
Brake Type	Disc Brake (E-ABS)
Suspension Type	Dual Suspension (Multiple Damping)
Load Capacity	264 lbs (120 kg)
Recommended Age	Adults
Included Components	Tool Kit



Figure 8.1: The 250W motor provides ample power for urban commutes.

# MULTI-SHOCK ABSORPTION

K300 e-bike for adults with Multiple Shock Absorption design, provides a comfortable riding experience on all types of terrain



Figure 8.2: The multi-shock absorption system ensures a comfortable ride on various terrains.

## 9. WARRANTY AND CUSTOMER SUPPORT

POWBEN is committed to providing high-quality products and excellent customer service.

### 9.1 Warranty Information

- **30-Day Hassle-Free Returns:** If you are not satisfied with your purchase, you may return it within 30 days.
- **90-Day Free Spare Parts:** Free replacement parts are available for 90 days from the date of purchase.
- **1-Year Warranty on Main Components:** The motor, battery, and controller are covered by a one-year warranty.
- **3-Year Warranty on Spare Parts:** Other spare parts are covered by a three-year warranty.

### 9.2 Technical Support

Lifetime technical support is available for your POWBEN e-bike. For any questions, assistance, or warranty claims, please contact our customer service team through the retailer or the official POWBEN website.

