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### Funhang EB-C2

# Funhang EB-C2 Electric Bike User Manual

Model: EB-C2

## 1. Introduction

Thank you for choosing the Funhang EB-C2 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 and keep it for future reference.

The Funhang EB-C2 is designed for adult commuters and recreational riders, featuring a powerful 1000W peak motor, a 48V removable battery, and a 7-speed gear system. It is UL 2849 certified for safety.




Image: The Funhang EB-C2 Electric Bike in white, showcasing its step-thru frame and integrated battery.

## 2. Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Ensure all components are securely fastened before each ride.

### 2.1 Certifications

The Funhang EB-C2 Electric Bike complies with safety standards UL 2271 (for the Li-ion battery) and UL 2849 (for the entire e-bike), as recognized by SGS. These certifications ensure the product meets rigorous safety requirements in design and production.




Image: Graphic indicating UL 2849 certification for the e-bike.

### 2.2 Pre-Ride Checklist

- Check tire pressure (refer to tire sidewall for recommended PSI).
- Verify brake functionality (front and rear).
- Ensure handlebars, seat, and wheels are securely tightened.
- Confirm battery is charged and properly installed.
- Test all lights and the horn.

## 3. Setup and Assembly

The Funhang EB-C2 electric bike arrives approximately 85% pre-assembled. The package includes necessary tools and a user manual. For detailed visual guidance, please refer to the assembly video provided below.

### 3.1 Assembly Steps

1. **Unpacking:** Carefully remove all components from the box.
2. **Handlebar Installation:** Place the handlebar on the stem. Adjust the angle of the stem to ensure the handlebar is level and tighten the four screws securely.
3. **Front Wheel Installation:** Attach the front wheel, ensuring the disc brake rotor is correctly aligned with the caliper.
4. **Pedal Installation:** Install the pedals (note: left and right pedals are marked).
5. **Seat Post Adjustment:** Insert the seat post and adjust the seat height to your comfort.
6. **Inflate Tires:** Inflate both tires to the recommended pressure before your first ride.

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Video: Detailed assembly instructions for the Funhang EB-C2 Electric Bike.

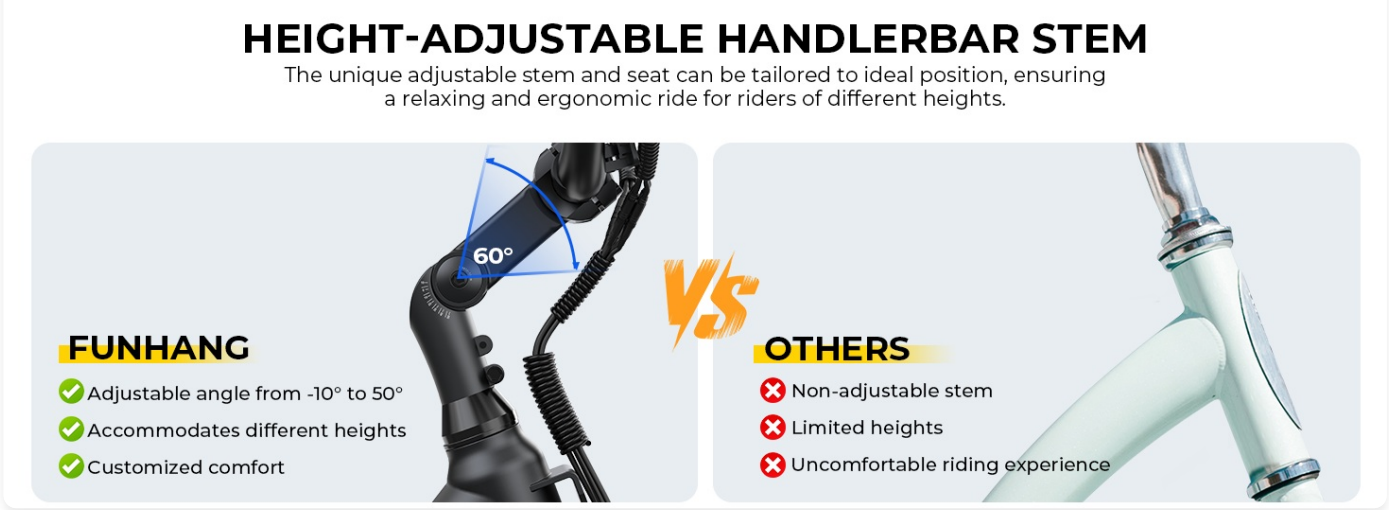



Image: Illustration of the adjustable handlebar stem, allowing for customized riding comfort.

## 4. Operating Instructions

### 4.1 Powering On/Off

To power on the e-bike, press and hold the power button on the LCD display. Repeat to power off.

### 4.2 LCD Display Functions

The LCD screen provides real-time information including battery life, current speed, distance traveled, and Pedal Assist System (PAS) level. Use the '+' and '-' buttons to navigate settings and adjust PAS levels.

Your browser does not support the video tag.

Video: Instructions for using the LCD screen and managing the battery on the Funhang EB-C2 Ebike.



Image: Close-up of the e-bike's LCD screen displaying speed, battery, and PAS level.

### 4.3 Riding Modes

The EB-C2 offers 5 versatile working modes and 5 pedal assist levels:

- **Pure Electric Mode:** Engage the throttle for motor-only propulsion.
- **Assisted Bicycle Mode (PAS):** Choose from 1-5 levels of pedal assistance. The motor provides power as you pedal.
- **Normal Bike Mode:** Ride as a traditional bicycle with no electrical assistance.

- **Cruise Mode:** Maintain a constant speed without continuous throttle input (refer to LCD manual for activation).
- **Booster Mode:** Provides extra power to effortlessly push the e-bike uphill or when starting.




Image: Visual representation of the five working modes available on the Funhang EB-C2 electric bike.

## 4.4 Battery Operation and Charging

The 48V 374.4WH lithium-ion battery is built-in and removable for convenient charging. It features an IPX5 waterproof rating and a Battery Management System (BMS) for safety.

- **Charging:** Connect the charger to the battery port and a power outlet. A full charge typically takes 4-5 hours.
- **Range:** Expect 40-50 miles in PAS mode and 20-30 miles in throttle mode, depending on conditions.
- **Removal:** Use the provided key to unlock and remove the battery for off-bike charging or storage.




Image: Diagram illustrating the 48V built-in removable battery and its features.

### 4.5 Gear Shifting and Braking

The e-bike is equipped with a 7-speed gear system and dual disc brakes for reliable stopping power.

- **Gear Shifting:** Use the trigger shifter on the handlebar to change gears smoothly.
- **Braking:** Apply both front and rear brakes simultaneously for effective and controlled stopping.



Image: Close-up of the 7-speed gear shifter and twist throttle on the handlebar.



Image: Detail of the dual disc brake system on the e-bike.

## 5. Maintenance

Regular maintenance ensures the longevity and safe operation of your Funhang EB-C2 Electric Bike.

### 5.1 General Care

- **Cleaning:** Wipe the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** Periodically lubricate the chain and other moving parts with bicycle-specific lubricant.
- **Tire Pressure:** Check tire pressure regularly and inflate to the recommended PSI (found on the tire sidewall).

### 5.2 Component Checks

- **Brakes:** Inspect brake pads for wear and ensure brake levers operate smoothly. Adjust as needed.
- **Gears:** Check for smooth gear changes. If shifting is rough, professional adjustment may be required.
- **Fasteners:** Regularly check and tighten all bolts and nuts, especially on the handlebars, seat post, and wheels.
- **Battery:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to maintain its health.



Image: Close-up of the front suspension fork, which requires occasional inspection and cleaning.

## 6. Troubleshooting

This section addresses common issues you might encounter with your Funhang EB-C2 Electric Bike.

| Problem | Possible Cause | Solution |
|---|---|---|
| E-bike does not power on | Battery not charged or improperly installed; loose connections. | Ensure battery is fully charged and securely seated. Check all visible cable connections. |
| Motor not assisting | PAS level set to 0; brake levers engaged; motor connection issue. | Increase PAS level. Release brake levers. Check motor cable connection. |
| Brakes squeak or feel weak | Brake pads worn; disc rotor dirty; cable tension incorrect. | Inspect and clean disc rotors. Adjust brake cable tension. Replace worn brake pads. |
| Gears not shifting smoothly | Derailleur out of adjustment; dirty or dry chain. | Clean and lubricate the chain. Adjust the derailleur (professional service recommended if unsure). |

If you encounter issues not listed here or require further assistance, please contact Funhang customer support.

## 7. Specifications

| Feature | Detail |
|---|---|
| Model Name | EB-C2 |
| Motor | 500W (1000W Peak) Brushless Hub Motor |
| Battery | 48V 374.4WH Removable Lithium-ion (UL 2271 Certified) |
| Max Speed | 20 MPH |
| Range (PAS Mode) | 40-50 Miles |
| Range (Throttle Mode) | 20-30 Miles |
| Charging Time | 4-5 Hours |
| Wheel Size | 26 inches |
| Number of Speeds | 7-Speed |
| Brakes | Dual Disc Brakes |
| Suspension | Front Suspension Fork |
| Frame Material | Carbon Steel (Step-Thru Design) |
| E-bike Weight | 62.83 lbs |
| Max Load | 300 lbs |
| Recommended Height | 5'3" - 6'1" (160 cm minimum) |
| Safety Certification | UL 2849 (Whole E-bike) |
| Included Components | Ebike, Charger, Stem, Rear Rack, Kickstand, User Manual, Tool Kit |

## 8. Warranty and Support

### 8.1 Warranty Information

Funhang provides a **1-year warranty** for the main parts of your EB-C2 electric bike. This warranty covers damages or failures upon receipt and during normal use. Please retain your proof of purchase.

### 8.2 Customer Support

For any questions, technical assistance, or warranty claims, please do not hesitate to contact our support team. We offer lifetime technical support and aim to respond within 24 hours on business days.

**Email:** support@funhang-ebike.com

**Online Support:** Available Monday-Friday.

When contacting support, please provide your e-bike order details and relevant photos or videos of the issue to expedite assistance.

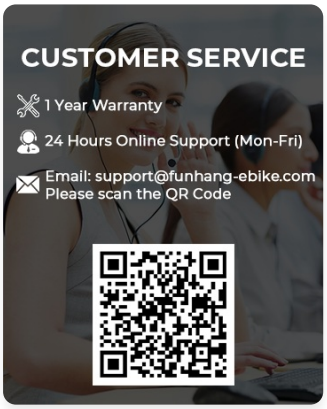



Image: QR code for customer service and support email address.

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