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- > [EUY](#) /
- > [EUY Cityrang 4.0 26-inch Electric Bike User Manual](#)

EUY Cityrang 4.0

EUY Cityrang 4.0 26-inch Electric Bike User Manual

Model: Cityrang 4.0 | Brand: EUY

1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, and maintenance of your EUY Cityrang 4.0 26-inch Electric Bike. Please read this manual thoroughly before your first ride to ensure proper use and to maximize your riding experience. Keep this manual for future reference.



Image 1.1: The EUY Cityrang 4.0 26-inch Electric Bike, showcasing its design and features.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Regular maintenance checks are crucial for safe operation.

- **Helmet Use:** Always wear a certified bicycle helmet.
- **Pre-Ride Check:** Before each ride, inspect brakes, tires, battery level, and ensure all quick releases are secure.
- **Weather Conditions:** Exercise caution when riding in wet or adverse weather. The bike is IP65 waterproof, but extreme conditions can affect handling.
- **Weight Limit:** Do not exceed the maximum load capacity of 300 lbs.
- **Battery Safety:** Use only the provided charger. Do not modify the battery or expose it to extreme temperatures. The battery is UL Certified for safety.

3. PACKAGE CONTENTS

Upon opening the box, verify that all components are present:

- EUY Cityrang 4.0 Electric Bike (90% pre-assembled)
- 48V Removable Battery
- Battery Charger
- Front Wheel
- Handlebar
- Pedals
- Front Light
- Rear Light
- Tool Kit
- User Manual (this document)

4. SETUP AND ASSEMBLY

Your EUY Cityrang 4.0 electric bike arrives 90% pre-assembled. The remaining assembly typically takes about 15 minutes and involves installing the handlebar, front wheel, lights, and pedals.

4.1 Unpacking

1. Carefully remove the bike and all components from the packaging.
2. Remove all protective packaging materials.
3. Inspect the bike for any visible damage during transit. Contact customer support immediately if damage is found.

4.2 Handlebar Installation

Attach the handlebar to the stem, ensuring it is centered and the brake levers and shifters are in a comfortable position. Tighten the stem bolts securely.

4.3 Front Wheel Installation

Insert the front wheel into the fork dropouts. Ensure the disc brake rotor is correctly aligned within the brake caliper. Secure the wheel using the quick-release skewer or axle nuts.

4.4 Pedal Installation

Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Apply a small amount of grease to the pedal threads and tighten them firmly with a wrench.

4.5 Light Installation

Attach the front and rear lights to their designated mounting points. Ensure they are securely fastened and properly aimed for visibility.

5. COMPONENTS OVERVIEW

Familiarize yourself with the key components of your electric bike.

A - Total Length	68.1"	 Recommend Height 5'1"-6'3"	 SUV Trunk
B - Handlebar Height	38.6"		
C - Wheelbase	41.3"	 Load capacity 300LBS	 Elevator
D - Minimum Seal Height	28.7"		
E - Maximum seat Height	33"		
F - Chain Stay Length	17.7"		
G - Standover Height	32.3"		
H - Top Tube Length	20"		
I - Wheel Diameter	26"		
J - Handlebar Length	26.7"		

Image 5.1: Overview of bike dimensions and component locations.

5.1 Motor

The bike is equipped with a powerful 1000W peak brushless geared hub motor, providing assistance for speeds up to 28 MPH and excellent performance on inclines.

POWERFUL BRUSHLESS MOTOR

Conquering the uphill climb effortlessly



Peak 1000W
Brushless Motor



25 MPH
Top Speed



7-SPEED
EFFICIENT GEARING



30°
Degree Gradeability



Image 5.2: Illustration of the 1000W peak brushless motor and its capabilities.

5.2 Battery

The 48V 528WH removable battery is integrated into the frame for security and protection. It offers a range of up to 70 miles in pedal assist mode and 30+ miles in electric mode. It features UL certification and protection against over-temperature, over-voltage, and over-charge.

48V 528WH BUILT-IN REMOVABLE BATTERY

BMS SAFETY:



Over Temp Protection



Over Voltage Protection



Over Charge Protection

**35-70 MILES
RANGE**

VEE-FREEDOM

Image 5.3: Detailed view of the 48V 528WH removable battery with BMS safety features.

Newly upgraded 48V528WH removable battery



Image 5.4: Features of the removable battery, highlighting its range, waterproof rating, and anti-theft design.

5.3 LCD Display

The HD color LCD display provides real-time information such as speed, battery power, pedal assist levels, and mileage. It is designed for clear visibility day or night.

Intelligent LCD Display

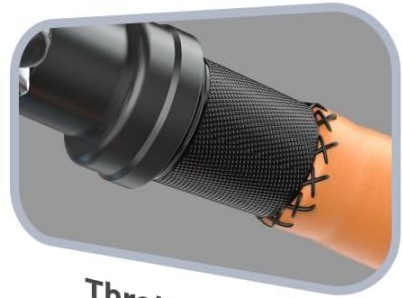
Adjustable for all terrains



Lighting Control



7 Speed Shifter



Throttle Control

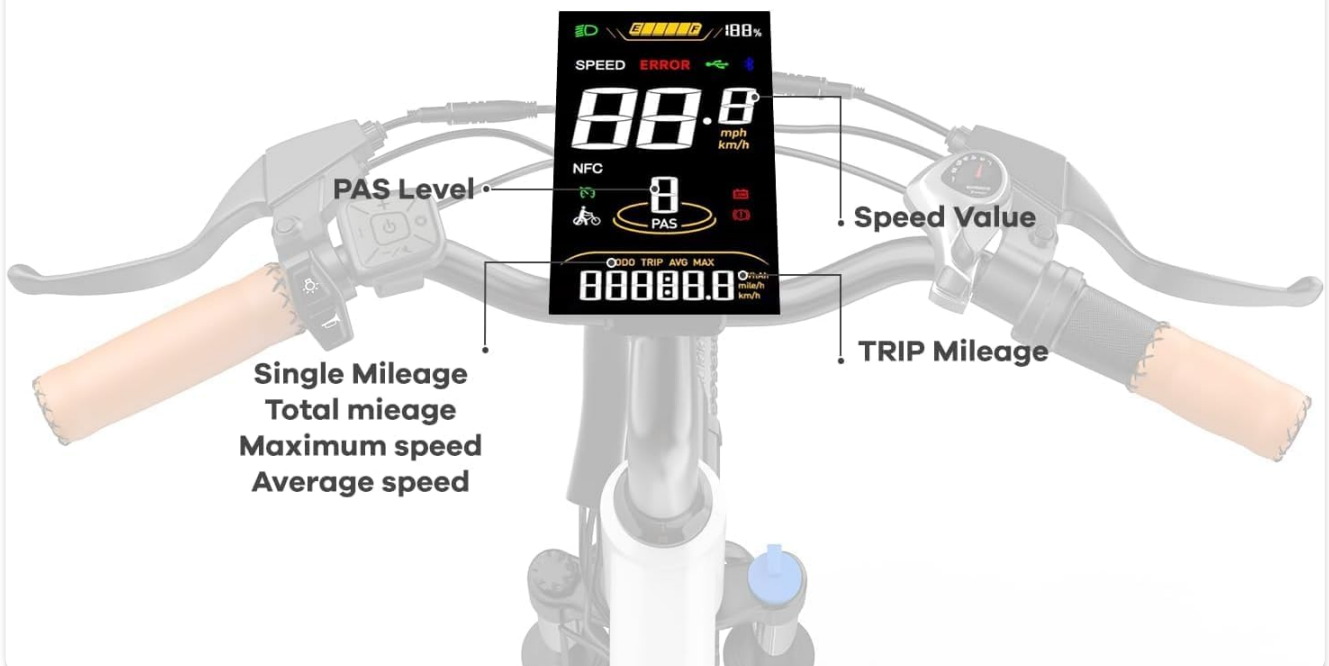


Image 5.5: The intelligent LCD display showing various riding metrics.

Diverse Riding Modes

Color 5" lcd screen gives you a more focused and clearer view of your riding status.



Throttle Mode



PAS Mode



Cruise Mode



Walking Mode



Normal Mode



Image 5.6: The LCD display interface, illustrating the selection of diverse riding modes.

5.4 Brakes

The bike features front and rear mechanical dual disc brakes with an EABS system for reliable stopping power in various conditions.

DUAL DISC BRAKE

Enhance your safety and control with our Dual Disc Brake system, providing stronger, more responsive braking in diverse weather conditions for an optimized riding experience.

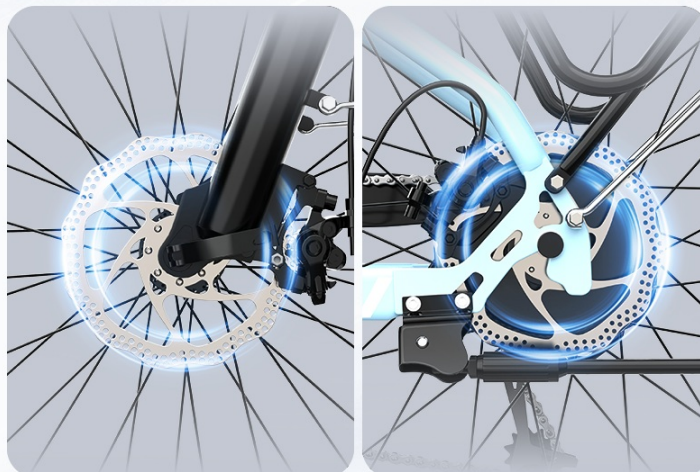


Image 5.7: Illustration of the dual disc brake system for enhanced safety and control.

5.5 Suspension

Adjustable front suspension forks provide shock absorption, enhancing comfort and stability on varied terrains.

Lockable & Shock Proof Fork

Ready for all terrains and providing comfort for a smoother ride.

City Road

Soil

Travel

Snow



Image 5.8: Detail of the lockable and shock-proof front fork, suitable for various terrains.

Leisure Riding

Adopts step-in design, easy to get on and off the bike, more ergonomic

More comfortable for casual rides or commuting



Image 5.9: Visual representation of how adjustable suspension forks improve ride comfort over bumpy terrain.

5.6 Gearing

The 7-speed transmission allows for smooth gear changes, adapting to different riding conditions and personal preferences.

Smooth Gear Changes

Fitted with dependable and smooth 7-speed gears, effortlessly tailor your speed to align with your desired comfort, guaranteeing a seamless journey



Image 5.10: Illustration of the 7-speed gear system for smooth transitions.

5.7 Lights

Integrated front and rear lights provide illumination for safe riding during low-light conditions or at night.

Front & Rear Dual Lights

Dual front and rear lights provide a bright beam of light for a normal ride at night



Image 5.11: Detail of the front and rear lights, essential for night riding visibility.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

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

6.2 Riding Modes

Your EUY Cityrang 4.0 offers multiple riding modes:

- **Pure Electric Mode:** Engages the motor without pedal input. Controlled via the throttle.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. There are 5 levels of pedal assist, adjustable via the display controls.

- **Classic Bike Mode:** The electric assist is off, and the bike operates as a traditional bicycle.
- **Throttle Mode:** Provides power on demand without pedaling, similar to a motorcycle.
- **Walking Mode:** Provides low-speed assistance (typically up to 3.7 mph) to help push the bike when walking alongside it.

6.3 Adjusting Pedal Assist Levels (PAS)

Use the '+' and '-' buttons on the display control panel to cycle through the 5 pedal assist levels. Level 1 provides minimal assistance, while Level 5 provides maximum assistance.

6.4 Gear Shifting

Use the 7-speed shifter on the handlebar to change gears. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

6.5 Braking

Apply both front and rear brakes simultaneously for effective and controlled stopping. Avoid sudden, hard braking, especially with the front brake, to prevent loss of control.

7. BATTERY INFORMATION

7.1 Charging the Battery

To charge the battery:

1. Ensure the bike is powered off.
2. Locate the charging port on the battery or frame.
3. Connect the charger to the charging port, then plug the charger into a standard electrical outlet.
4. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
5. Charging typically takes 5-6 hours for a full charge.
6. Once fully charged, disconnect the charger from the outlet and then from the bike.

7.2 Battery Care and Safety

- Do not expose the battery to extreme temperatures (below -4°F or above 104°F).
- Store the battery in a cool, dry place when not in use.
- Charge the battery at least once every two months, even if not in use, to maintain its lifespan.
- The battery is designed with anti-theft features and is waterproof (IP65), dustproof, and moisture-resistant.

8. MAINTENANCE

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

8.1 Routine Checks (Before Each Ride)

- **Tires:** Check tire pressure. Recommended pressure is usually indicated on the tire sidewall.
- **Brakes:** Ensure brake levers are firm and responsive. Check brake pads for wear.
- **Chain:** Inspect for rust or damage. Lubricate if dry.
- **Fasteners:** Verify all bolts and quick releases are tight.

8.2 Cleaning

Clean the bike with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components.

8.3 Long-Term Storage

If storing the bike for an extended period, ensure the battery is charged to 50-70% and stored in a cool, dry place. Charge it periodically.

9. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

Problem	Possible Cause	Solution
Bike does not power on	Low battery, loose battery connection, display issue	Charge battery, ensure battery is properly seated, check display cable connections.
Motor not assisting	PAS level too low, brake lever engaged, motor cable loose	Increase PAS level, ensure brake levers are fully released, check motor cable connection.
Brakes feel spongy	Cable stretch, worn pads, air in hydraulic system (if applicable)	Adjust brake cable tension, replace worn pads, consult a bike mechanic for hydraulic brake issues.
Unusual noises	Loose components, dry chain, rubbing parts	Inspect and tighten all bolts, lubricate chain, identify and adjust rubbing components.

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

10. SPECIFICATIONS

Feature	Specification
Bike Type	Electric Bike
Model Name	Cityrang 4.0
Brand	EUY
Motor	1000W Peak Brushless Geared Hub Motor
Max Speed	28 MPH
Battery	48V 528WH Removable Lithium-ion, UL Certified
Range (Pedal Assist)	Up to 70 Miles
Range (Electric Mode)	30+ Miles
Charging Time	5-6 Hours
Gears	7-Speed Transmission
Brakes	Front & Rear Mechanical Dual Disc Brakes with EABS
Suspension	Front Fork Spring Shock Absorbers (Adjustable)

Feature	Specification
Display	HD Color LCD Display
Wheel Size	26 Inches
Frame Material	Aluminum (Step-Thru Design)
Max Load Capacity	300 LBS
Item Weight	71 Pounds
Included Components	Tool Kit

11. WARRANTY INFORMATION

EUY provides a **12-month warranty** for the motor, battery, charger, and controller from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your original purchase receipt as proof of purchase.

The warranty does not cover:

- Damage caused by misuse, neglect, or accident.
- Normal wear and tear of components such as tires, brake pads, and chains.
- Unauthorized modifications or repairs.

For warranty claims, please contact customer support with your purchase details and a description of the issue.

12. SUPPORT

For any questions, technical assistance, or warranty inquiries, please contact EUY customer support:

- **Email:** support@vefreedom.com

Please have your model name (Cityrang 4.0) and purchase information ready when contacting support to expedite assistance.