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Cybervelo CY-EK6-2026

Cybervelo 1000W Folding Electric Bike User Manual

MODEL: CY-EK6-2026

1. Introduction

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new Cybervelo 1000W Folding Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience. Keep this manual for future reference.

Your browser does not support the video tag.

Video: Electric Bike 6 Showcase. This video provides a general overview of the Cybervelo electric bike in various riding environments.

2. Safety Information

Your safety is paramount. 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, tires, battery, and all connections.

- **Helmet Use:** Always wear a certified helmet.
- **Pre-Ride Check:** Inspect brakes, tire pressure, battery charge, and all fasteners.
- **Traffic Laws:** Adhere to all local traffic laws and regulations.
- **Weather Conditions:** Exercise caution in wet or slippery conditions.
- **Weight Limit:** Do not exceed the maximum load capacity of 450 lbs (204 kg).

3. Package Contents

Upon unboxing, verify that all components are present and undamaged. The package should include:

- Cybervelo Folding Electric Bike (main frame, wheels, motor, battery)
- Front Fender
- Headlight
- Seat Post with Saddle
- Pedals
- Charger

- Tool Kit
- User Manual (this document)
- Keys for battery lock



Image: The Cybervelo 1000W Folding Electric Bike, showcasing its overall design and components.

4. Setup and Assembly

Your Cybervelo electric bike is 90% pre-assembled. Follow these steps to complete the assembly:

1. **Unboxing:** Carefully remove the bike and all components from the packaging. Remove all protective foam and ties.
2. **Handlebar Installation:** Attach the handlebar to the stem using the provided tools. Ensure all screws are tightened securely to prevent accidents during riding.
3. **Headlight Assembly:** Mount the headlight to the front fork using the brackets and screws. Connect the headlight cable to the main wiring harness. Pay attention to the up-and-down direction of the headlights and don't make mistakes.

4. **Front Fender Installation:** Attach the front fender to the front fork.
5. **Front Wheel Installation:** Insert the front wheel into the fork dropouts. Ensure the brake rotor is correctly aligned with the brake caliper. Secure the wheel with the axle nuts.
6. **Seat Post and Saddle:** Insert the seat post with the saddle into the frame. Adjust the height for comfortable riding and secure it with the quick-release lever.
7. **Pedal Installation:** Screw the pedals into the crank arms. Note that the left pedal (L) and right pedal (R) have different threads. Tighten them firmly.
8. **Battery Insertion:** Insert the removable 48V 25Ah battery into the frame. Lock it securely with the key.

Your browser does not support the video tag.

Video: Installation Guide for Cybervelo EK6 Folding Electric Bike. This video demonstrates the assembly process for the electric bike.



Image: The folding mechanism of the Cybervelo electric bike, highlighting its compact design for storage and transport.

5. Operating Instructions

Your Cybervelo electric bike offers multiple riding modes and features for a versatile experience.

5.1 Powering On/Off

Press and hold the power button on the LCD display to turn the bike on or off. The display will show battery level, speed, and assist mode.

5.2 Riding Modes

- **Pure Electric Mode:** Use the twist-grip throttle for motor-only propulsion.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. Adjust the assist level (0-5) using the '+' and '-' buttons on the control panel.
- **Manpower Mode:** Ride the bike like a traditional bicycle without motor assistance.

5.3 Gear Shifting

The bike is equipped with an 8-speed Shimano gear system. Use the shifter on the handlebar to change gears according to terrain and desired speed.

5.4 Braking

The hydraulic disc brakes provide reliable stopping power. Apply both brake levers smoothly and evenly for controlled deceleration.



Image: Close-up of the handlebar and LCD display, showing the controls for power, assist levels, and speed.

6. Battery Management

The Cybervelo electric bike features a removable 48V 25Ah lithium-ion battery.

6.1 Charging

Connect the charger to the bike's charging port or remove the battery to charge it separately. A full charge typically takes

6-8 hours. The battery indicator on the display or battery itself will show charging status.

6.2 Battery Care

- Avoid fully discharging the battery regularly.
- Store the battery in a cool, dry place when not in use.
- Charge the battery at least once every two months if stored for extended periods.
- The battery is waterproof, but avoid submerging it.



Image: The removable 48V 25Ah automotive-grade battery, highlighting its design and capacity.

7. Maintenance

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

- **Tires:** Check tire pressure before each ride. Recommended pressure is typically indicated on the tire sidewall.
- **Brakes:** Regularly inspect brake pads for wear and ensure proper brake lever function. Adjust or replace as needed.

- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Fasteners:** Periodically check all nuts, bolts, and quick-release levers for tightness.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Suspension:** Inspect the front and rear suspension for proper function and adjust as per your riding preference.



Image: The full suspension system of the Cybervelo electric bike, designed to absorb shocks for a comfortable ride.

8. Troubleshooting

Refer to this section for common issues and their potential solutions.

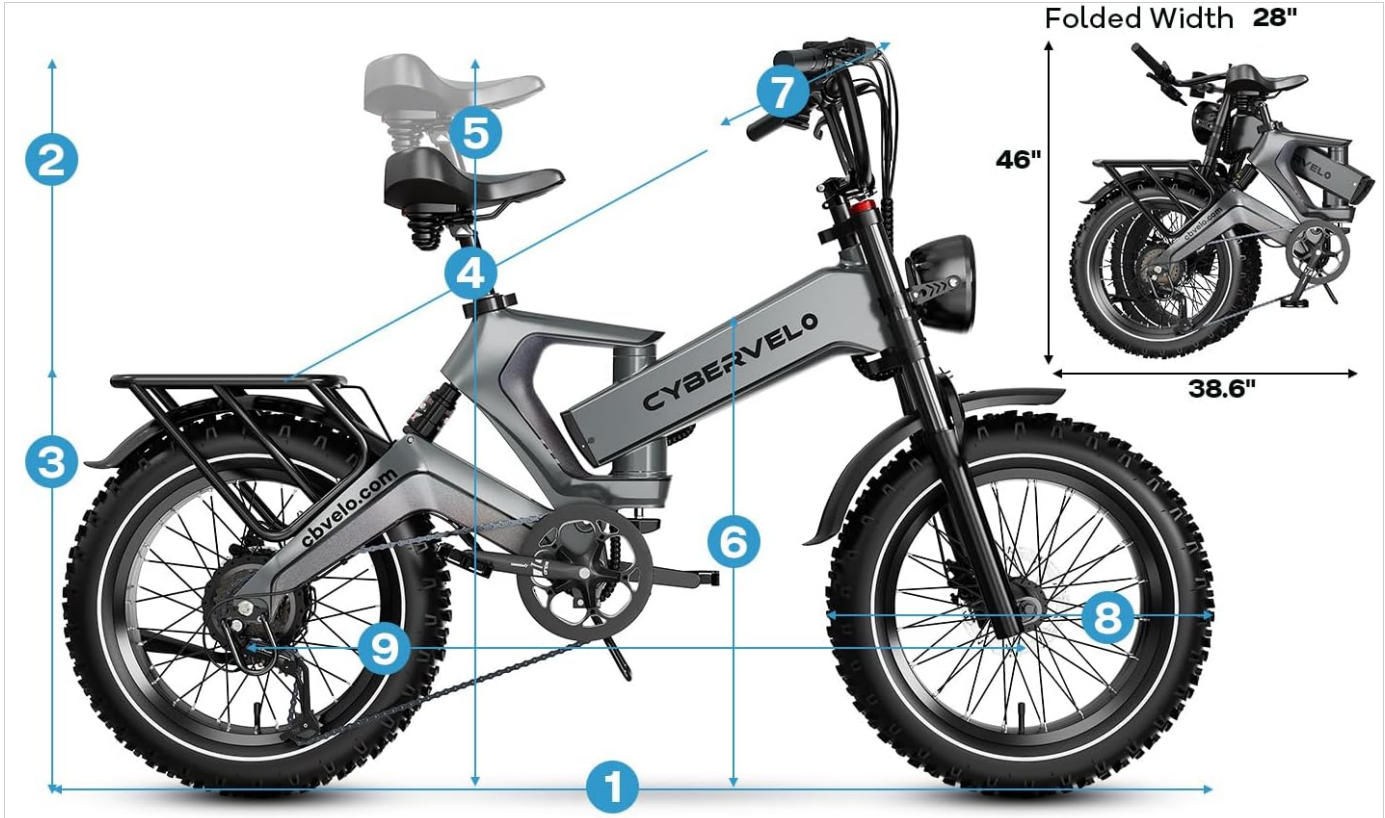
Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated; power cable loose.	Charge battery; ensure battery is fully inserted and locked; check all cable connections.

Problem	Possible Cause	Solution
Motor not assisting	Pedal assist level set to 0; brake levers engaged; motor cable loose.	Increase PAS level; release brake levers; check motor cable connection.
Brakes feel weak	Worn brake pads; air in hydraulic system; misaligned caliper.	Inspect/replace brake pads; bleed hydraulic system (professional service recommended); adjust caliper.
Unusual noises	Loose components; dry chain; rubbing brake rotor.	Check all fasteners; lubricate chain; inspect brake rotor for alignment.

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

9. Specifications

Feature	Detail
Model Number	CY-EK6-2026
Motor	1000W (Peak 2000W) Brushless Hub Motor
Battery	48V 25Ah Removable Lithium-ion
Max Speed	Up to 35+ MPH
Range	60-100+ Miles (depending on assist level and terrain)
Tires	20" x 4.0 Fat Tires
Gears	8-Speed Shimano Transmission
Brakes	Hydraulic Disc Brakes (Front and Rear)
Suspension	Dual Suspension (Front and Rear)
Frame Material	Magnesium
Weight	104 Pounds (approx.)
Max Load Capacity	450 lbs
Certification	UL Certified



75 LBS Net Weight

5.7-7.7 FT Recommended Height

400 LBS Maximum load

1. Total Length	72"	6.Frame Height	30"
2.Maximum Handlebar Height	46"	7.Handlebar Length	30"
3.Rear Rack Height	27"	8.Wheel diameter	23"
4.Minimum Seat Height	43"	9.Wheel diameter	47"
5.Maximum Seat Height	39"		

Image: Diagram illustrating the key dimensions and weight specifications of the Cybervelo electric bike.



Image: Detail of the powerful 1000W (Peak 2000W) hub motor, highlighting its integration with the rear wheel.



Image: The robust 20" x 4.0 fat tires, designed for stability and traction across various terrains.

10. Warranty and Support

Cybervelo is committed to providing customer satisfaction. Your electric bike comes with a 365-day limited warranty. For any questions, technical support, or warranty claims, please contact Cybervelo customer service. Our team is available to provide responsive assistance within 24 hours.

Contact Information: Refer to your purchase documentation or the official Cybervelo website for the most up-to-date contact details.

Note: Please retain the original packaging for a period after purchase, as it may be required for returns or warranty service.

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and use this page's manual context to help answer it.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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