Cybervelo EK7grey

Cybervelo 1000 Peak Electric Bike User Manual

Model: EK7grey

Overview Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The Cybervelo 1000 Peak Electric Bike is designed for adults seeking a versatile and powerful e-bike for various terrains, including commuting, beach rides, and snow. It features a robust 1000W peak motor, a long-lasting 25AH removable battery, and a 7-speed transmission system, ensuring a comfortable and efficient riding experience.



Figure 1: The Cybervelo 1000 Peak Electric Bike, showcasing its robust frame and design.

Key Features:

- **Powerful 1000W Peak Motor:** High-speed brushless motor with 7-speed transmission, capable of reaching 25+ MPH and providing strong torque for uphill climbs.
- **Long-Lasting 25AH Removable Battery:** Offers an extended range of up to 80+ miles on a single charge, with convenient charging options.
- **Advanced Suspension System:** Equipped with 2 front fork spring shock absorbers and saddle shock absorption for a comfortable ride on uneven terrain.
- **Dual Disc Brakes:** Front and rear mechanical disc brakes combined with an EABS system ensure reliable and powerful braking performance.
- **Water-Resistant LCD Display:** Provides real-time information including speed, battery level, pedal assist levels, and mileage.
- **Multiple Riding Modes:** Features Pure Electric, Pedal Assist, and Classic Bike modes, with 5 levels of pedal assistance.

2. Setup and Initial Assembly

Your Cybervelo electric bike is delivered approximately 90% pre-assembled. Follow these steps to complete the assembly and prepare for your first ride.

2.1 Unboxing and Inspection

1. Carefully remove the bike and all components from the packaging.
2. Inspect the bike for any visible damage during transit. Report any issues to customer support immediately.
3. Verify all components are present: main bike frame, front wheel, handlebars, seat post with saddle, pedals, charger, and user manual.

2.2 Assembly Steps

1. **Install the Front Wheel:** Align the front wheel with the fork dropouts. Ensure the disc brake rotor is correctly seated within the caliper. Secure with the quick-release skewer or axle nuts.
2. **Attach the Handlebars:** Insert the handlebar stem into the fork steerer tube. Ensure the handlebars are centered and straight, then tighten the stem bolts securely.
3. **Install the Seat Post and Saddle:** Insert the seat post into the frame's seat tube. Adjust the height to a comfortable riding position (your feet should touch the ground when seated) and secure with the quick-release clamp.
4. **Attach the Pedals:** 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 threads and tighten them firmly with a wrench.

2.3 Initial Battery Charging

Before your first ride, fully charge the battery. The 25AH removable battery typically takes 4 to 6 hours for a full charge.



Figure 2: The removable 25AH battery, designed for convenient charging.

1. Locate the charging port on the battery or frame.
2. Connect the charger to the battery, then plug the charger into a standard wall outlet.
3. The charger's indicator light will show the charging status (e.g., red for charging, green for fully charged).
4. Once fully charged, disconnect the charger.

3. Operation Guide

Familiarize yourself with the controls and riding modes of your Cybervelo electric bike for an optimal experience.

3.1 Powering On/Off and LCD Display



Figure 3: The water-resistant LCD display showing various riding data.

- **Power On:** Press and hold the power button on the LCD display for a few seconds until the screen illuminates.
- **Power Off:** Press and hold the power button again until the screen turns off.
- **LCD Display Functions:** The display shows real-time speed, battery power, current riding mode, pedal assist level (PAS), single ride mileage, and total ride mileage.
- **Cruise Control:** The cruise control function can be activated or deactivated with a dedicated button on the display.

3.2 Riding Modes and Pedal Assist Levels (PAS)

Your e-bike offers three primary riding modes and five levels of pedal assistance to suit different riding conditions and preferences.

- **Pure Electric Mode:** Engage the throttle for motor-only propulsion without pedaling.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. There are 5 levels of assistance, adjustable via the '+' and '-' buttons on the display. Higher levels provide more motor power.
- **Classic Bike Mode:** Ride the bike like a traditional bicycle with no motor assistance.

3.3 Gearing and Braking



Figure 4: Enhanced comfort features including saddle shock absorption and front suspension.

- **7-Speed Transmission:** Use the gear shifter on the handlebars to change gears. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.
- **Dual Disc Brakes:** The bike is equipped with front and rear mechanical disc brakes. Apply both brakes simultaneously for effective and controlled stopping. The EABS system enhances braking safety.

4. Maintenance and Care

Regular maintenance ensures the longevity and optimal performance of your Cybervelo electric bike.

4.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not expose the battery to water or moisture. The battery is IP54 water-resistant, but direct submersion should be avoided.

4.2 Tires and Brakes

- **Tire Pressure:** Check tire pressure before each ride. Maintain the recommended PSI (pounds per square inch) indicated on the tire sidewall for optimal performance and safety.
- **Brake Inspection:** Regularly inspect brake pads for wear and tear. Ensure brake levers are firm and responsive. Adjust or replace brake pads as needed.

4.3 General Cleaning and Lubrication

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Chain Lubrication:** Lubricate the chain periodically, especially after riding in wet or dusty conditions, to ensure smooth gear changes and prevent rust.
- **Fastener Check:** Periodically check all bolts and fasteners for tightness, especially on critical components like handlebars, wheels, and seat post.

5. Troubleshooting

This section provides solutions to common issues you might encounter with your electric bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is not charged or not properly seated.	Ensure battery is fully charged and securely inserted into the frame. Check power button connection.
Motor not assisting.	PAS level is set to 0, or a sensor issue.	Increase PAS level on the display. Check for any loose cable connections to the motor or sensors.
Short battery range.	Low tire pressure, frequent use of high PAS levels/throttle, or aging battery.	Inflate tires to recommended pressure. Use lower PAS levels or pedal more. Consider battery replacement if significantly degraded.
Brakes feel spongy or ineffective.	Worn brake pads, air in hydraulic lines (if applicable), or loose cables.	Inspect and replace worn brake pads. Have brakes professionally serviced if bleeding is required. Tighten brake cables.
Gears are not shifting smoothly.	Derailleur misalignment or dirty/dry chain.	Clean and lubricate the chain. Adjust derailleur limits and cable tension.

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

6. Product Specifications

Detailed technical specifications for the Cybervelo 1000 Peak Electric Bike (Model: EK7grey).

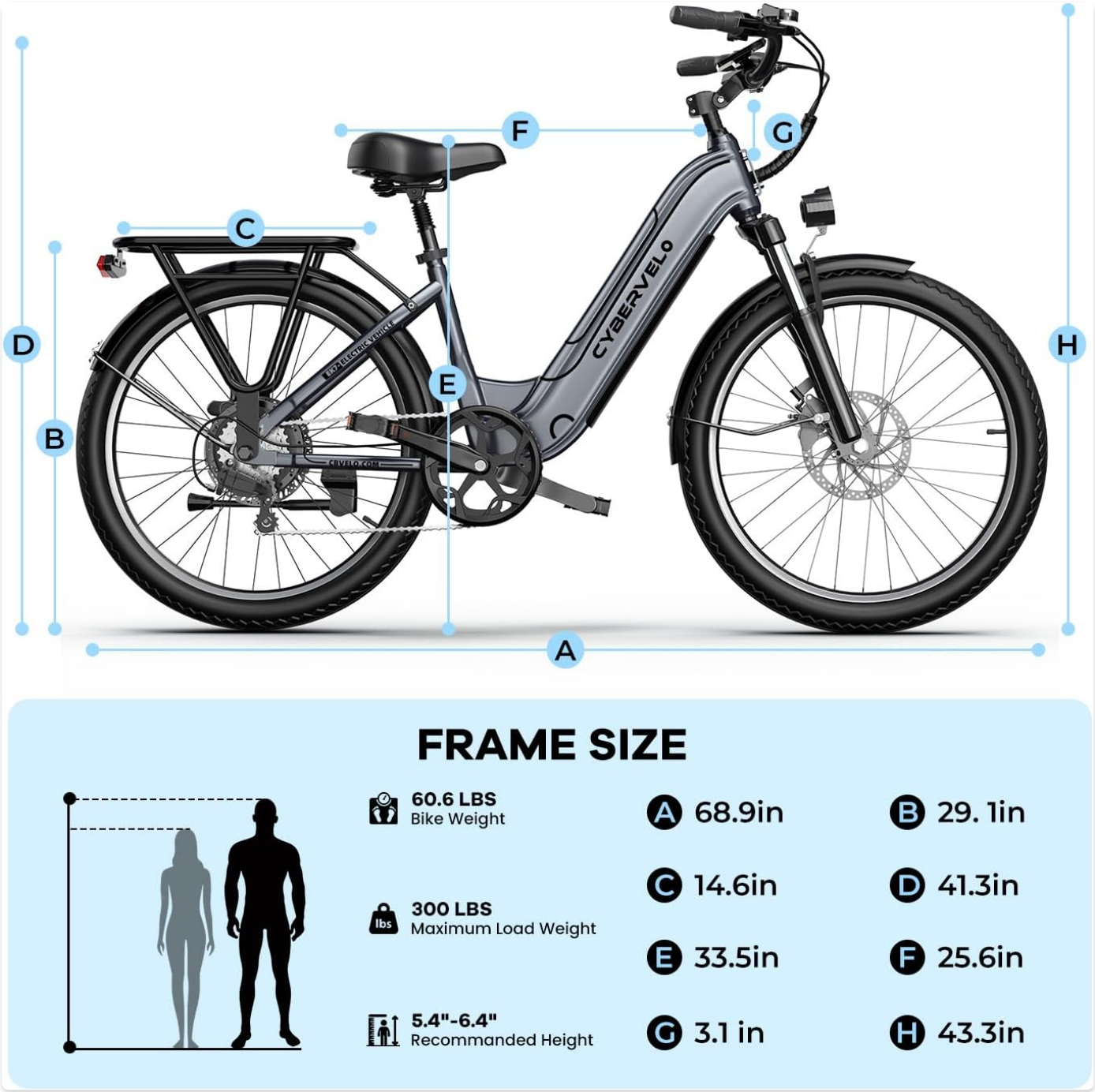


Figure 5: Frame size and dimension reference for the EK7grey model.

Feature	Detail
Bike Type	Electric Bike
Model Name	EK7grey
Motor	1000W Peak Brushless Motor
Battery	48V 25AH Removable Lithium-ion
Max Speed	Up to 25+ MPH (approx. 28 MPH)
Max Range	Up to 80+ Miles (Pedal Assist Mode)
Charging Time	4-6 Hours

Feature	Detail
Wheel Size	26 Inches
Frame Material	High Carbon Steel
Suspension Type	Front Fork Suspension, Saddle Shock Absorption
Brakes	Front & Rear Mechanical Disc Brakes with EABS
Number of Speeds	7-Speed Transmission
Display	Water-Resistant LCD Display
Bike Weight	60.6 LBS
Maximum Load Weight	300 LBS
Recommended Rider Height	5'4" - 6'4"
Color	A-EK7-Grey
UPC	767176629014

7. Warranty and Customer Support

Cybervelo is committed to providing reliable service and support for your electric bike.

7.1 Customer Support

Our customer support team is available 24/7 to assist you with any questions, concerns, or technical issues you may have regarding your Cybervelo electric bike.
For assistance, please visit the official Cybervelo store on Amazon or refer to the contact information provided with your purchase documentation.
Visit the Cybervelo Store on Amazon

7.2 Warranty Information

Specific warranty details are typically provided with your purchase. Please retain your proof of purchase for warranty claims. Common warranty coverage includes manufacturing defects in the frame, motor, and battery for a specified period.
For detailed warranty terms and conditions, please refer to the documentation included with your product or contact Cybervelo customer support.

8. Product Videos

No official product videos from the seller were available for embedding in this manual.

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Example: How do I reset this device or fix this error?

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Submit question

Answered questions about this manual

What type of replacement battery is required for the Cybervelo 1000 Peak Electric Bike?

The Cybervelo 1000 Peak Electric Bike (Model EK7grey) uses a 48V 25AH Removable Lithium-ion battery. When looking for a replacement, ensure the battery matches these specifications:Voltage: 48VCapacity: 25AhType: Lithium-ionFeature: Removable design compatible with the...

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