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ECOCOGY EB7PRO

ECOCOGY EB7PRO 5000W Dual Motor Electric Bike User Manual

Model: EB7PRO | Brand: ECOCOGY

1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your ECOCOGY EB7PRO 5000W Dual Motor Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience. Retain this manual for future reference.

Safety Warnings

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local e-bike regulations and traffic laws.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery.
- Do not operate the bike under the influence of alcohol or drugs.
- Keep the original packaging box for at least one month for potential returns or warranty claims.

2. PACKAGE CONTENTS

Upon unpacking, verify that all components listed below are present. If any items are missing or damaged, contact customer support immediately.

WHAT YOU WILL GET

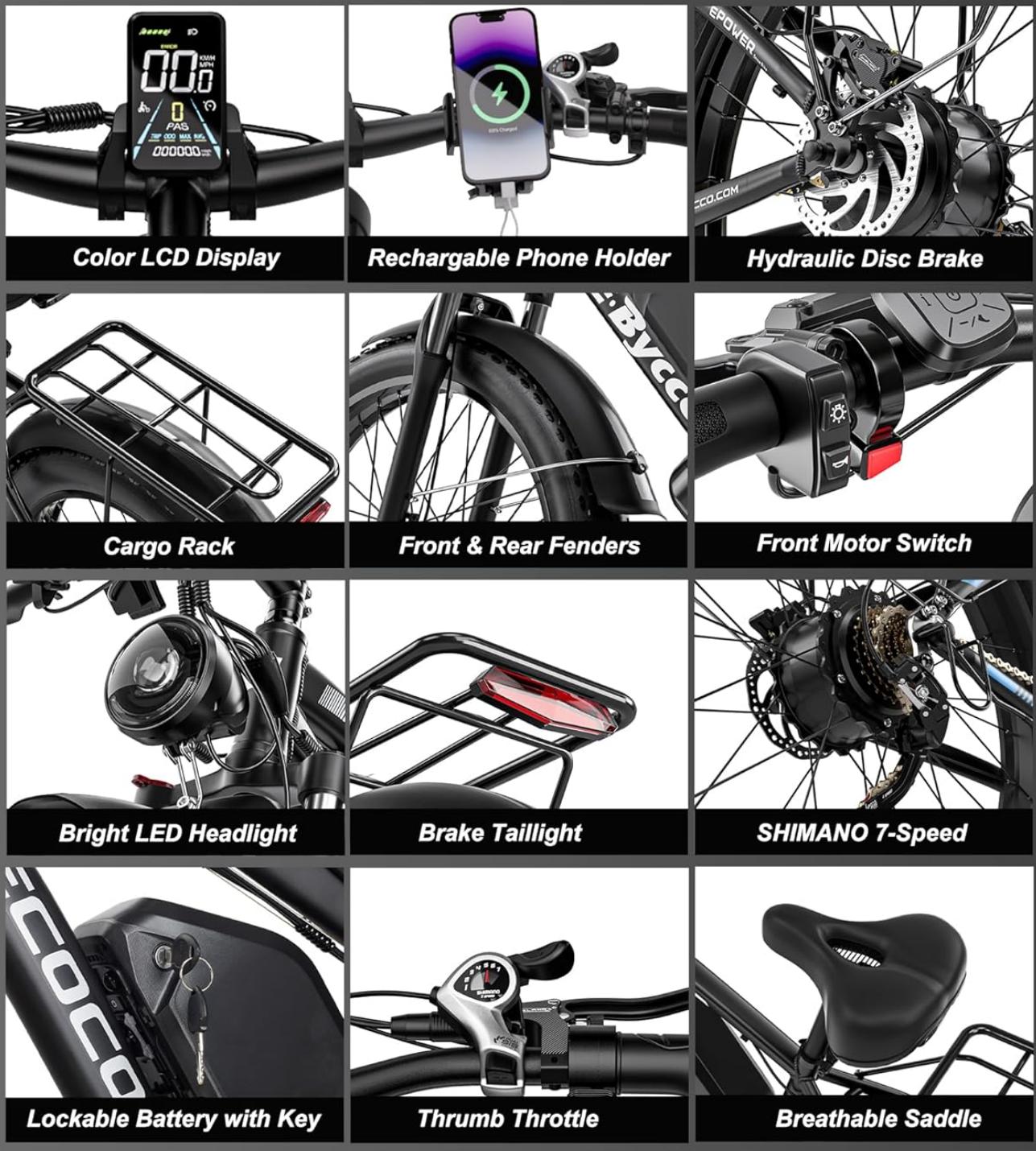


Figure 2.1: Included Components Overview

- ECOCOGY EB7PRO Electric Bike (90% pre-assembled)
- 52V 32AH Battery (with keys)
- Battery Charger
- Front and Rear Fenders
- Rear Rack
- Phone Holder with USB Charging Port
- Headlight and Taillight (pre-installed)

- Installation Tools
- User Manual

3. SETUP & ASSEMBLY

Your ECOCOGY EB7PRO electric bike arrives approximately 90% pre-assembled. The following steps detail the final assembly process.



Figure 3.1: ECOCOGY EB7PRO Electric Bike

3.1 Unpacking and Initial Inspection

1. Carefully remove the bike and all components from the packaging.
2. Inspect the bike for any visible damage that may have occurred during shipping. Report any damage to customer support immediately.
3. Remove all protective packaging materials.

3.2 Handlebar Installation

- Loosen the stem bolts on the handlebar.

- Insert the handlebar into the stem, ensuring it is centered and aligned with the front wheel.
- Tighten the stem bolts securely.

3.3 Front Wheel Installation

- Align the front wheel with the fork dropouts.
- Ensure the brake rotor is correctly seated within the brake caliper.
- Install the quick-release skewer or axle nuts and tighten them firmly.

3.4 Pedal Installation

- Identify the left (L) and right (R) pedals.
- The right pedal (R) threads clockwise into the right crank arm.
- The left pedal (L) threads counter-clockwise into the left crank arm.
- Tighten both pedals securely with a wrench.

3.5 Fender and Rear Rack Installation

- Attach the front and rear fenders using the provided hardware.
- Secure the rear cargo rack to the designated mounting points on the frame.

3.6 Seat Adjustment

- Adjust the seat post height to a comfortable riding position, ensuring your feet can touch the ground when stopped.
- Tighten the quick-release lever or seat post clamp securely.

4. OPERATING INSTRUCTIONS

Understanding the controls and functions of your ECOCOGY EB7PRO is crucial for a safe and enjoyable ride.

Convenient Control



 Light/Horn button

 Front Motor Switch

 M Power/Level button

Rechargeable Holder

Shimano 7 Speed

Thumb Throttle



5 Riding Modes Refer to the manual for guidance

Figure 4.1: Handlebar Controls

4.1 Powering On/Off

- To power on the bike, ensure the battery is installed and unlocked. Press and hold the 'M' (Power/Level) button on the handlebar control panel.
- To power off, press and hold the 'M' button again until the display turns off.

4.2 LCD Display Functions

The integrated LCD display provides real-time riding information.

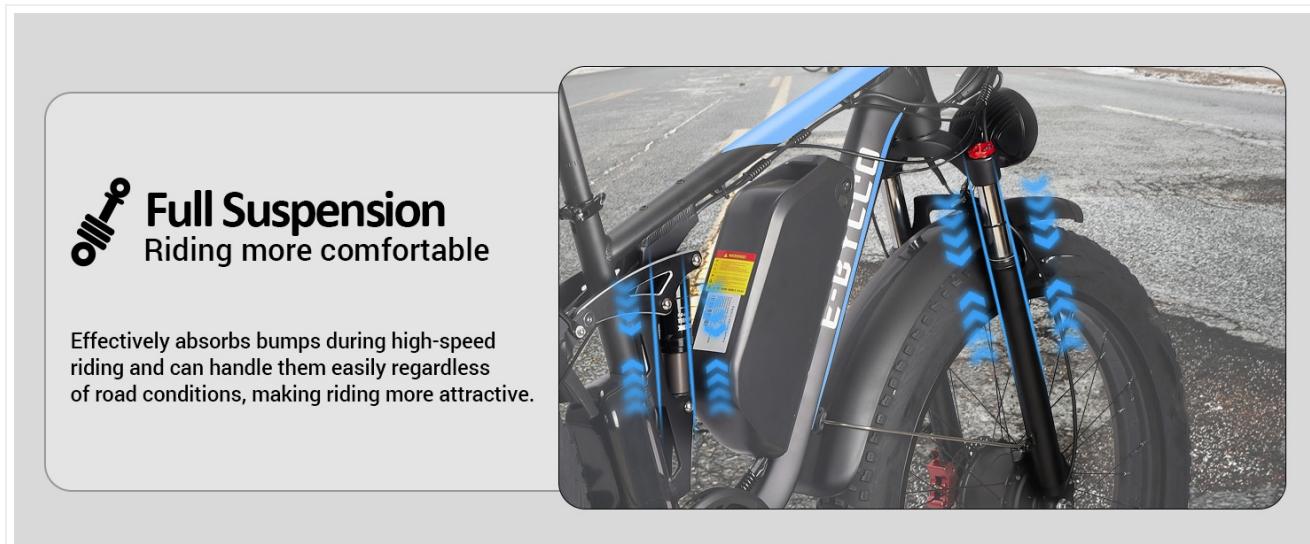


Figure 4.2: LCD Display

- **Power-on Password:** If enabled, enter the password to unlock the bike.
- **Battery Level:** Indicates the remaining battery charge.
- **Riding Speed:** Displays current speed.
- **PAS (Pedal Assist) Level:** Shows the current level of motor assistance (0-5).
- Use the 'i' button to cycle through Trip A (mileage after startup), ODO (odometer), Max Speed, and Average Speed.

4.3 Riding Modes

- **Pedal Assist Mode:** The motor provides assistance as you pedal. Adjust the assist level (0-5) using the '+' and '-' buttons.
- **Pure Electric Mode (Throttle):** Use the thumb throttle to engage the motor without pedaling.
- **Dual Motor Operation:** The EB7PRO features dual motors (front and rear). Use the green 'Front Motor Switch' button on the handlebar to toggle the front motor on or off, allowing for single or dual motor operation. Dual motor mode provides maximum power and speed.

4.4 Shifting Gears

The bike is equipped with a Shimano 7-speed gear system. Use the thumb shifter on the right handlebar to change gears, adapting to different terrains and riding conditions.

4.5 Braking System

The ECOCOGY EB7PRO features dual hydraulic disc brakes for reliable stopping power.

Dual Hydraulic Brakes

Bring strong braking power and protect safety

24" x 4.0" Fat Tire

Grip the ground firmly,
ride more steadily



Figure 4.3: Hydraulic Disc Brake

- Squeeze both brake levers simultaneously for optimal stopping performance.
- Hydraulic disc brakes offer consistent braking in various weather conditions.

5. BATTERY INFORMATION

The ECOCOGY EB7PRO is powered by a 52V 32AH large capacity battery.

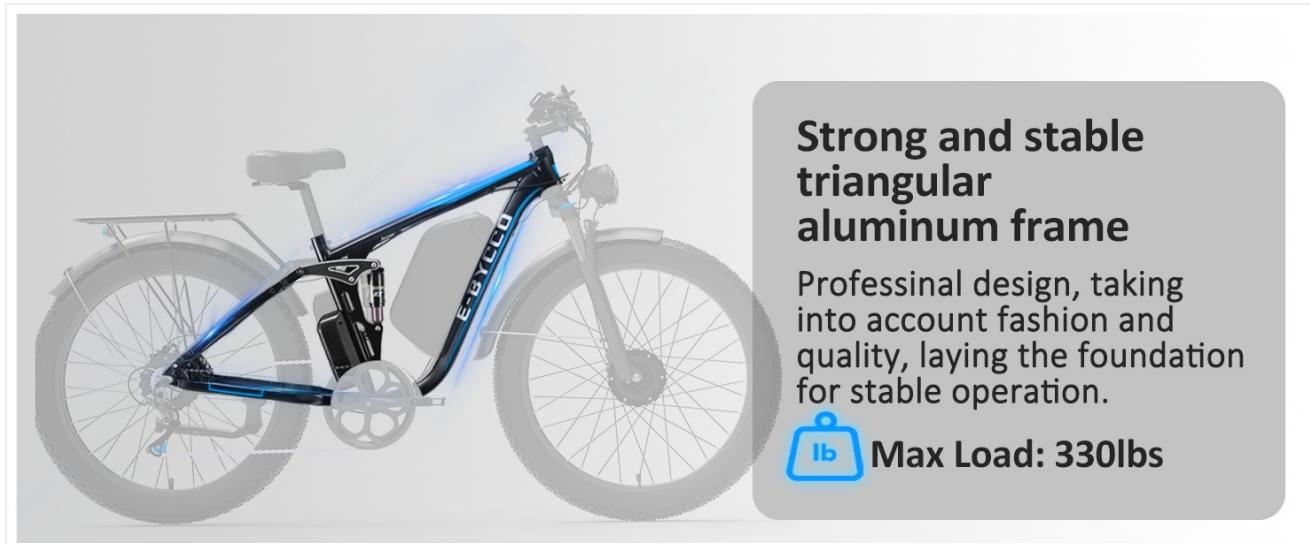


Figure 5.1: 52V 32AH Battery Details

5.1 Charging the Battery

- Connect the charger to a standard power outlet and then to the bike's charging port.
- The charging time is approximately 8-10 hours.
- The battery can be charged while installed on the bike or removed for convenience.

5.2 Battery Range

- **Pure Electric Mode:** Up to 40 miles (single motor) or 25 miles (dual motor).
- **Pedal Assist Mode:** Up to 90 miles (single motor) or 40 miles (dual motor).
- Actual range may vary based on terrain, rider weight, assist level, and weather conditions.

5.3 Battery Removal and Security

- Use the provided key to unlock and remove the battery from the frame.
- Always lock the battery when installed on the bike to prevent theft.

6. MAINTENANCE

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

6.1 General Cleaning

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- Dry the bike thoroughly after cleaning.

6.2 Tire Pressure

- Check tire pressure before each ride. Refer to the tire sidewall for recommended PSI.
- Proper tire pressure improves ride quality, efficiency, and reduces the risk of punctures.

6.3 Brake Inspection

- Regularly inspect brake pads for wear and replace them when necessary.
- Ensure brake levers feel firm and responsive. If they feel spongy, the hydraulic system may need bleeding by a qualified technician.

6.4 Chain Lubrication

- Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- Apply bicycle-specific chain lubricant after cleaning or when the chain appears dry.

6.5 Battery Care

- Store the battery in a cool, dry place when not in use.
- Avoid fully discharging the battery. Charge it regularly, even during periods of non-use.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your ECOCOGY EB7PRO electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not properly seated, power button not pressed correctly, battery switch off.	Charge battery, ensure battery is fully inserted and locked, press and hold power button, check battery power switch.
Motor not assisting	PAS level set to 0, throttle not engaged, front motor switch off (if using dual motor), brake levers engaged.	Increase PAS level, engage throttle, check front motor switch, ensure brake levers are released.
Brakes feel weak or spongy	Worn brake pads, air in hydraulic lines, low brake fluid.	Inspect and replace brake pads, consult a bike technician for hydraulic system service.
Unusual noises during riding	Loose components, dry chain, rubbing fenders, motor issue.	Check all bolts and fasteners, lubricate chain, adjust fenders, contact support if motor noise persists.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact ECOCOGY customer support.

8. SPECIFICATIONS

Key technical specifications for the ECOCOGY EB7PRO 5000W Dual Motor Electric Bike.

24-EB7Pro Bike Dimension

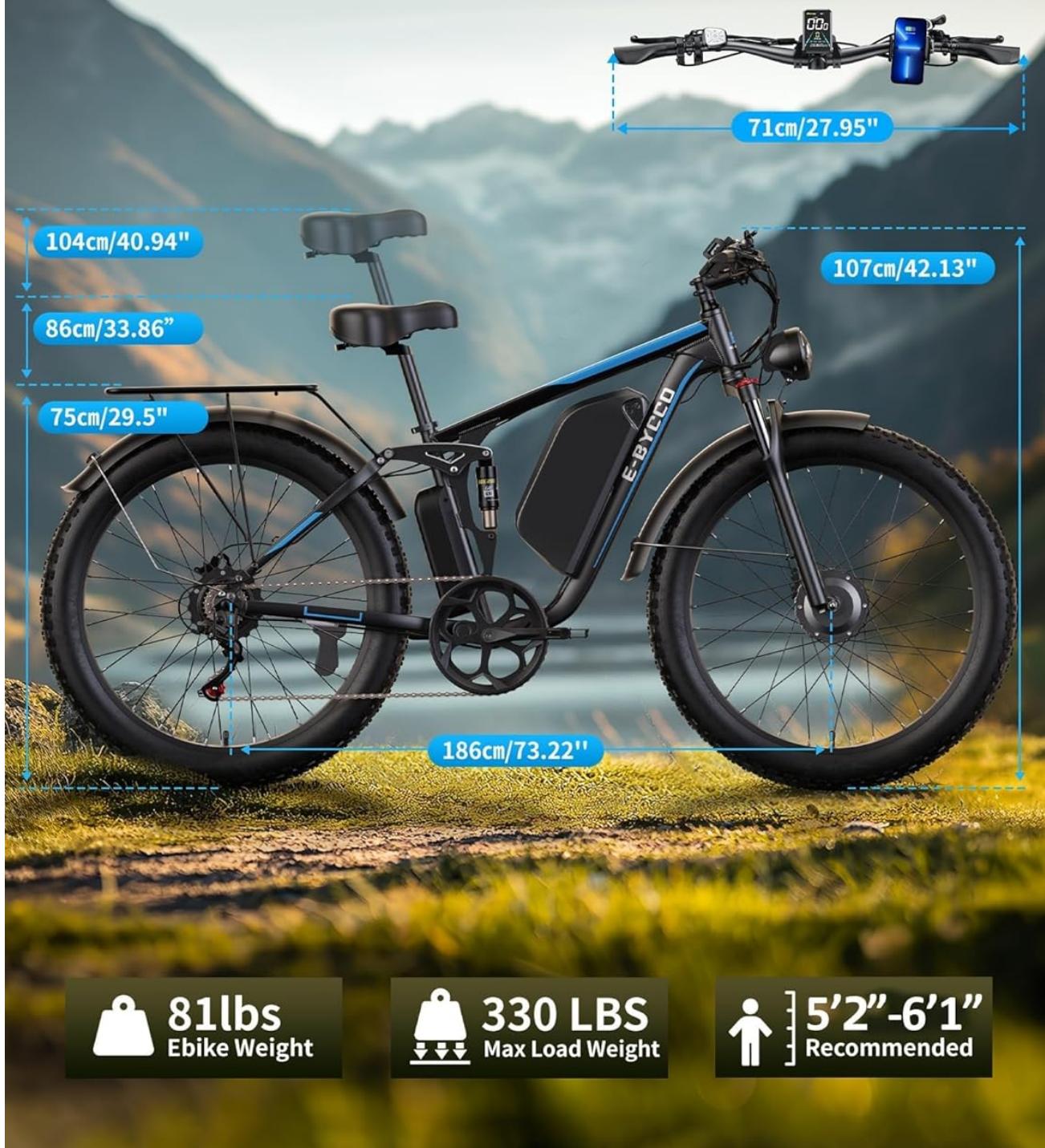


Figure 8.1: Bike Dimensions and Rider Recommendation

Feature	Detail
Model Name	EB7PRO
Bike Type	Electric Bike, Fat Tire, Full Suspension

Feature	Detail
Motor	Dual Motor (5000W Peak)
Battery	52V 32AH Lithium Battery (UL Certified)
Max Speed	Up to 45 MPH
Wheel Size	24 Inches (4.0" Fat Tires)
Frame Material	Aluminum
Suspension Type	Dual Suspension
Brake Style	Hydraulic Disc Brakes
Gears	Shimano 7-Speed
Max Load Weight	330 lbs
Ebike Weight	81 lbs
Recommended Age Range	Adult
Special Features	LCD Display, Rechargeable, Water-Resistant, Adjustable Seat, Phone Holder with USB

9. WARRANTY & CUSTOMER SUPPORT

9.1 Warranty Information

Your ECOCOGY EB7PRO electric bike comes with a **1-year limited warranty**. This warranty covers manufacturing defects and does not include damage caused by misuse, accidents, or unauthorized modifications. For detailed warranty information, please refer to the terms provided in the manual or contact customer support.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact ECOCOGY customer support:

- Email: support@ecocogy.com

Our support team is available to assist you with any concerns regarding your electric bike.

Related Documents - EB7PRO

	ECOCOGY Electric Bicycle Owner's Manual: Assembly, Operation & Safety Guide Your comprehensive guide to the ECOCOGY electric bicycle. Learn about assembly, safe operation, battery charging, LCD display functions, troubleshooting, and warranty for models E8, E8S, E9, E87, EB7Pro, and G7.
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	<p>ECOCOGY Electric Bicycle Owner's Manual: Assembly, Operation & Safety Guide</p>
	<p>E-Bycco Electric Bicycle Owner's Manual: Models E8, E9, EB7Pro, EB10, C8, C9</p>
	<p>Comprehensive owner's manual for E-Bycco electric bicycles, covering setup, operation, maintenance, safety, troubleshooting, and warranty for models E8, E9, EB7Pro, EB10, C8, and C9. Includes detailed instructions and safety guidelines.</p>
	<p>E-Bycco Electric Bicycle Owner's Manual</p>
	<p>Comprehensive owner's manual for E-Bycco electric bicycles, covering assembly, operation, safety, maintenance, troubleshooting, and warranty information for models like E8, E9, EB7Pro, and EB10.</p>
	<p>EBYCCO Electric Bike Display User Manual - LCD-M5</p>
	<p>User manual for the EBycco Electric Bike LCD-M5 Hand Control Panel, covering operation instructions, display functions, settings, and key controls for models E9, EB7Pro, and G7.</p>
	<p>E-Bycco Electric Bicycle Display Setting Parameters Explained</p>
	<p>A comprehensive guide to understanding and configuring the setting parameters for E-Bycco electric bicycle displays, including details on screen backlight, distance units, motor voltage, auto sleep time, pedal assist levels, wheel diameter, speed limits, throttle and drive modes, PAS sensitivity, battery undervoltage protection, and password settings.</p>