

ECOCOGY G7

ECOCOGY G7 Electric Bike User Manual

Model: G7 | Brand: ECOCOGY

1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, and maintenance of your ECOCOGY G7 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.

The ECOCOGY G7 is an electric bike designed for adults, featuring a dual motor system with 4000W peak (5000W max) power, a 52V 32AH removable battery, and 26-inch fat tires suitable for various terrains. It includes front suspension and a 7-speed gear system.

2. SAFETY INFORMATION

Always prioritize safety when operating your electric bike. Failure to follow safety guidelines can result in serious injury or damage to the bike.

- **Helmet Use:** Always wear a certified helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect brakes, tire pressure, battery charge, and ensure all components are securely fastened.
- **Local Regulations:** Be aware of and comply with all local traffic laws and regulations regarding electric bikes.
- **Weather Conditions:** Exercise caution when riding in wet, slippery, or adverse weather conditions.
- **Weight Limit:** Do not exceed the maximum load capacity of 330 lbs (150 kg).
- **Age Range:** This electric bike is intended for adult use.
- **Battery Safety:** Use only the provided charger. Do not expose the battery to extreme temperatures or puncture it.

3. PACKAGE CONTENTS

Upon unpacking, verify that all items are present and undamaged. If any parts are missing or damaged, contact customer support immediately.

- ECOCOGY G7 Electric Bike (90% pre-assembled)
- 52V 32AH Removable Battery

- 3A Battery Charger
- Headlight
- Tool Kit
- User Manual

4. SETUP AND ASSEMBLY

The ECOCOGY G7 Electric Bike arrives 90% pre-assembled. The remaining assembly steps are straightforward and can be completed with the included tool kit. It is recommended to keep the original packaging box for at least one month for potential returns or warranty claims.

4.1 Unpacking

Carefully remove the bike and all components from the packaging. Inspect for any shipping damage.

4.2 Handlebar Installation

Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding posture.

4.3 Front Wheel Installation

Install the front wheel, ensuring the brake rotor is correctly aligned with the caliper. Secure the quick-release skewer or axle nuts.

4.4 Pedal Installation

Identify the left (L) and right (R) pedals. Thread them into the corresponding crank arms. Note that the left pedal has a reverse thread. Tighten firmly with a wrench.

4.5 Seat Post and Saddle Adjustment

Insert the seat post into the frame and adjust the saddle height for comfortable pedaling. Ensure the seat post is inserted past the minimum insertion line and the quick-release clamp is tightened.

4.6 Fenders and Rear Rack (if not pre-installed)

Attach the front and rear fenders and the rear rack using the provided hardware. These accessories help protect from splashes and provide cargo space.



Image: ECOCOGY G7 Electric Bike with fenders and rear rack installed. Fenders provide splash protection, and the rear rack offers cargo carrying capability.

4.7 Initial Battery Charge

Fully charge the battery before your first ride. Refer to the "Battery Information" section for detailed charging instructions.

4.8 Video Instructions

For visual guidance, refer to the assembly video provided by ECOCOGY. This video provides a general visual introduction to the product.

Your browser does not support the video tag.

Video: Overview of the ECOCOGY G7 Electric Bike, showcasing its features and design. This video provides a general visual introduction to the product.

5. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your ECOCOGY G7 Electric Bike.

5.1 Dual Motor System

The G7 features a powerful dual brushless motor system, providing 4000W peak power (up to 5000W) for enhanced acceleration and hill-climbing capability. This system delivers a maximum torque of 220 N·m and allows for speeds up to 45 MPH.



Image: Diagram illustrating the dual motor system of the ECOCOGY G7 electric bike, highlighting the front and rear motors and their power

output.

5.2 52V 32AH Removable Battery

The bike is equipped with a 52V 32AH removable battery, offering a range of 70-100 miles with pedal assist or 32-43 miles on electric power alone. The battery is IP65 waterproof, includes BMS protection, and is UL2849 & UL2271 certified by SGS. Full charge time is 8-9 hours with the 3A charger.



Image: Close-up of the ECOCOGY G7's 52V 32AH removable battery, showing its design and key features like charge time, waterproofing, and certifications.

5.3 Dual Hydraulic Disc Brakes

The G7 features front and rear hydraulic disc brakes, providing responsive and powerful stopping performance for safety across various terrains.

G7 Ebike Dimension



83lbs
Bike Weight



330lbs
Max Load eight



5'7"-6'7"
Recommended Height



Image: Illustration of the dual hydraulic disc brake system on the ECOCOGY G7, showing both front and rear brake calipers and rotors.

5.4 Front Hydraulic Suspension

A lockable and adjustable front fork shock absorber reduces bumps and improves riding comfort and stability, especially on uneven surfaces. The lockout feature allows for efficient energy transfer on smoother terrain.



Image: Close-up of the ECOCOGY G7's front hydraulic suspension fork, showing the lockout mechanism and its function for comfortable or efficient riding.

5.5 26-inch Fat Tires

The 26" x 4.0" fat tires provide excellent stability and comfort across various terrains, including snow, sand, gravel, and city roads.



Image: The ECOCOGY G7 electric bike with its 26-inch fat tires, depicted in different environments such as snow, off-road, mountain, and city settings.

5.6 Digital Color Display and Controls

The upgraded 3.5-inch LCD intelligent display provides clear data including battery capacity, current speed, pedal assist level, and mileage. Controls include front and rear brake levers, a single/dual motor switch, light & horn switch, phone holder, and thumb throttle.

Fenders and Rear Rack

Full Coverage Fenders

can effectively prevent mud and water from splashing on the body and the ride.

Sturdy Rear Rack

provides the rider with more carrying and storage space for daily travel and long-distance travel.



Image: Overhead view of the ECOCOGY G7 handlebar, showing the LCD display, brake levers, motor switch, light/horn switch, phone holder, and thumb throttle.

3.5" LCD DISPLAY



Battery Capacity



Current Speed



Pedal Assist Level



Mileage



P19 :Display password setting



Image: Close-up of the ECOCOGY G7's 3.5-inch LCD display, detailing the information it provides such as battery capacity, current speed, pedal assist level, and mileage.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

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

6.2 Riding Modes

The ECOCOGY G7 offers five riding modes:

1. **Electric Mode:** Pure electric power, controlled by the thumb throttle.
2. **Pedal-assist Mode:** Motor provides assistance as you pedal. The level of assistance can be adjusted via the display.
3. **Cruise Mode:** Maintains a set speed without continuous throttle input (refer to display manual for activation).
4. **Manual Mode:** Ride as a traditional bicycle without motor assistance.
5. **Walk Mode:** Provides low-speed assistance for walking the bike (refer to display manual for activation).

6.3 Gear Shifting

The bike is equipped with a 7-speed Shimano transmission system. Use the shifter on the handlebar to change gears according to terrain and desired speed. Shift smoothly to avoid strain on the drivetrain.



Image: Illustration showing the 7-speed gear system of the ECOCOGY G7, including the rear derailleur and chain, alongside the integrated headlight and taillight.

6.4 Braking

Apply both front and rear brakes simultaneously for effective stopping. Avoid sudden, hard braking, especially with the front brake, to prevent loss of control. The hydraulic disc brakes offer strong and consistent stopping power.

6.5 Dual Motor Switch

Use the single/dual motor switch on the handlebar to engage one or both motors. Dual motor mode provides maximum power and acceleration, while single motor mode conserves battery life.

7. BATTERY INFORMATION

7.1 Charging the Battery

To charge the 52V 32AH battery:

1. Ensure the bike is powered off.
2. The battery can be charged while installed on the bike or removed.
3. Connect the charger to the battery's charging port.
4. Plug the charger into a standard wall outlet.
5. The charger indicator light will show charging status (typically red for charging, green for fully charged).
6. A full charge takes approximately 8-9 hours with the 3A charger.
7. Disconnect the charger once charging is complete.



Image: The ECOCOGY G7 electric bike with its removable battery being charged, illustrating the charging process.

7.2 Battery Care and Storage

- Avoid completely draining the battery. Charge it regularly.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to 50-70% every few months.
- Do not attempt to open or repair the battery pack.

8. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ECOCOGY G7 Electric Bike.

8.1 Cleaning

Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components or bearings.

8.2 Tire Pressure

Check tire pressure before each ride. Maintain the recommended PSI (usually indicated on the tire sidewall) for optimal performance and safety.

8.3 Brake Inspection

Regularly inspect brake pads for wear and brake levers for proper function. Adjust or replace components as needed.

8.4 Chain Lubrication

Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.

8.5 Fastener Check

Periodically check all bolts and fasteners for tightness, especially on critical components like the handlebars, wheels, and seat post.

9. TROUBLESHOOTING

This section addresses common issues you might encounter with your ECOCOGY G7 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not properly seated, loose electrical connection.	Charge battery, ensure battery is fully inserted, check all visible connections.
Motor not assisting	Low battery, pedal assist level set to zero, motor switch off, brake lever engaged.	Check battery level, increase pedal assist level, ensure motor switch is on, release brake levers.
Brakes feel weak	Worn brake pads, air in hydraulic lines, misaligned caliper.	Inspect and replace brake pads, bleed hydraulic lines (professional service recommended), adjust caliper alignment.
Unusual noises	Loose components, dry chain, rubbing brakes.	Check all fasteners, lubricate chain, inspect brake alignment.

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

10. SPECIFICATIONS

Feature	Detail
Model Name	G7
Bike Type	Electric Bike, Fat Tire Electric Bike, Electric Mountain Bike
Motor	Dual Motor, 4000W Peak (5000W Max)
Battery	52V 32AH Removable Lithium Battery (1664 Watt Hours)
Charging Time	8-9 hours (with 3A charger)
Range	70-100 miles (pedal assist), 32-43 miles (electric power only)
Max Speed	Up to 45 MPH
Wheel Size	26 Inches
Tire Width	4.0 Inches (Fat Tire)
Frame Material	Aluminum
Suspension	Front Hydraulic Suspension (Lockable and Adjustable)
Brake Style	Dual Hydraulic Disc Brakes
Number of Speeds	7 (Shimano Gear System)
Display	3.5" LCD Intelligent Display
Max Load Weight	330 lbs (150 kg)
Recommended Height	5'7" - 6'7"
Certifications	SGS Certified, UL 2849 & UL2271 Tested By SGS
Included Components	Headlight, Tool Kit



Image: Diagram showing the key dimensions of the ECOCOGY G7 electric bike, including height, length, and seat adjustment range, along with weight and maximum load capacity.

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The ECOCOGY G7 Electric Bike comes with a 1-year limited warranty. This warranty covers manufacturing defects and does not cover damage caused by human error or accidents. For detailed warranty information, please refer to the specific terms provided with your purchase or contact customer support.

Important: Please retain the original packaging box and packing materials for at least 30 days to ensure eligibility for returns or warranty claims.

11.2 Customer Support

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

- **Email:** support@ecocogy.com
- **Online:** Visit the official ECOCOGY store on Amazon for additional resources and contact options: [ECOCOGY Amazon Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

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

Submit question