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› ECOROAD Electric Scooter EC8 User Manual

ECOROAD EC8

ECOROAD Electric Scooter EC8 User Manual

Model: EC8

Brand: ECOROAD

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your ECOROAD Electric Scooter EC8. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



Figure 1: The ECOROAD EC8 Electric Scooter, showcasing its sleek design and integrated lighting.

2. SAFETY INFORMATION

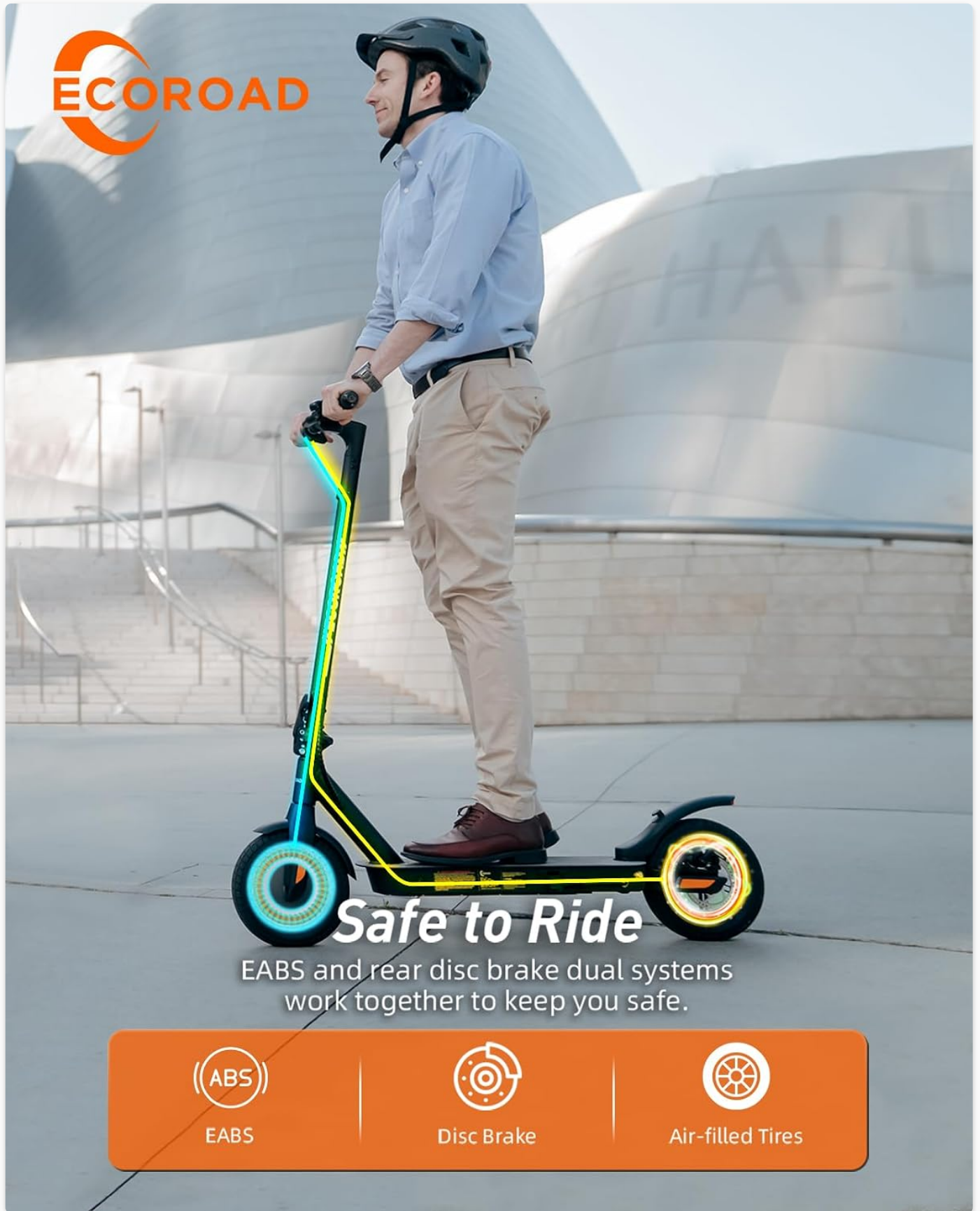
Your safety is paramount. Always wear a helmet and appropriate protective gear when riding. Adhere to local traffic laws and regulations.

2.1 Battery Storage

Before storing the scooter, fully charge the battery to prevent over-discharge, which can occur during periods of non-use. If the scooter is stored for more than one month, it is recommended to discharge and recharge the battery every three months to maintain battery health and longevity.

2.2 UL2272 Certification

The ECOROAD EC8 E-scooter has passed stringent UL-2272 testing, ensuring it meets high safety and professional standards for electrical systems.



ECOROAD

Safe to Ride

EABS and rear disc brake dual systems work together to keep you safe.

 EABS	 Disc Brake	 Air-filled Tires
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Figure 2: Illustration of the scooter's dual braking system, including EABS and rear disc brake, designed for enhanced safety.

3. PRODUCT OVERVIEW AND FEATURES

The ECOROAD EC8 Electric Scooter is designed for comfortable and efficient commuting, featuring robust construction

and advanced functionalities.

3.1 Key Features

- **Powerful Motor:** Equipped with a 450W peak (350W rated) motor, capable of reaching speeds up to 30 km/h (19 mph) and climbing slopes up to 15%.
- **Comfortable Ride:** Features dual rear suspension and 10-inch inflatable pneumatic tires for a smooth experience on various terrains.
- **Extended Range:** A 36V 7.8Ah battery (280.8Wh) provides a maximum travel range of 25-29 km on a single charge.
- **Enhanced Safety:** Includes a high-brightness headlight, taillight, and turn signals for visibility, along with front E-ABS and rear disc braking systems.
- **Portable Design:** Foldable and lightweight at 13.2 kg (29 lbs) for easy transport and storage.
- **Cruise Control:** Built-in cruise control for effortless riding.
- **Multiple Speed Modes:** Four distinct speed modes: ECO (15 KM/H), D (25 KM/H), S (30 KM/H), and PUSH ASSIST (6 KM/H).
- **LED Console:** Clear display showing speed, gear, battery level, and headlight status, easily controlled by a single power button.



Figure 3: Detail of the dual rear suspension and 10-inch pneumatic tires, contributing to a comfortable ride.

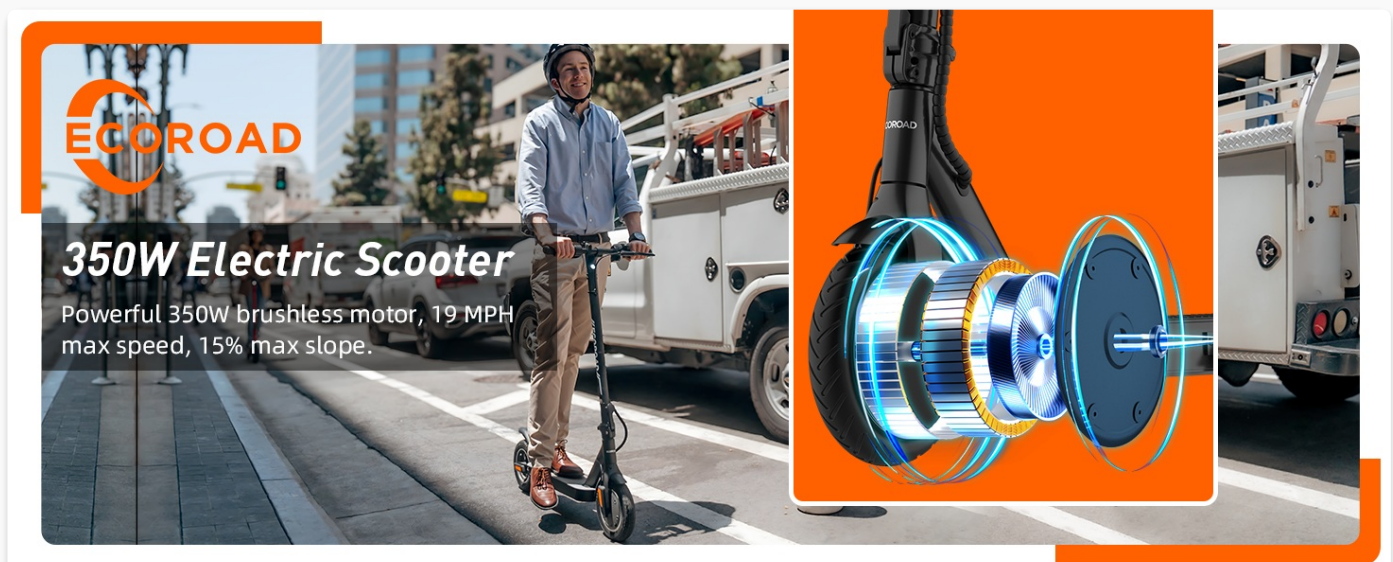


Figure 4: Visual representation of the powerful 350W brushless motor, enabling speeds up to 19 MPH and a 15% max slope.

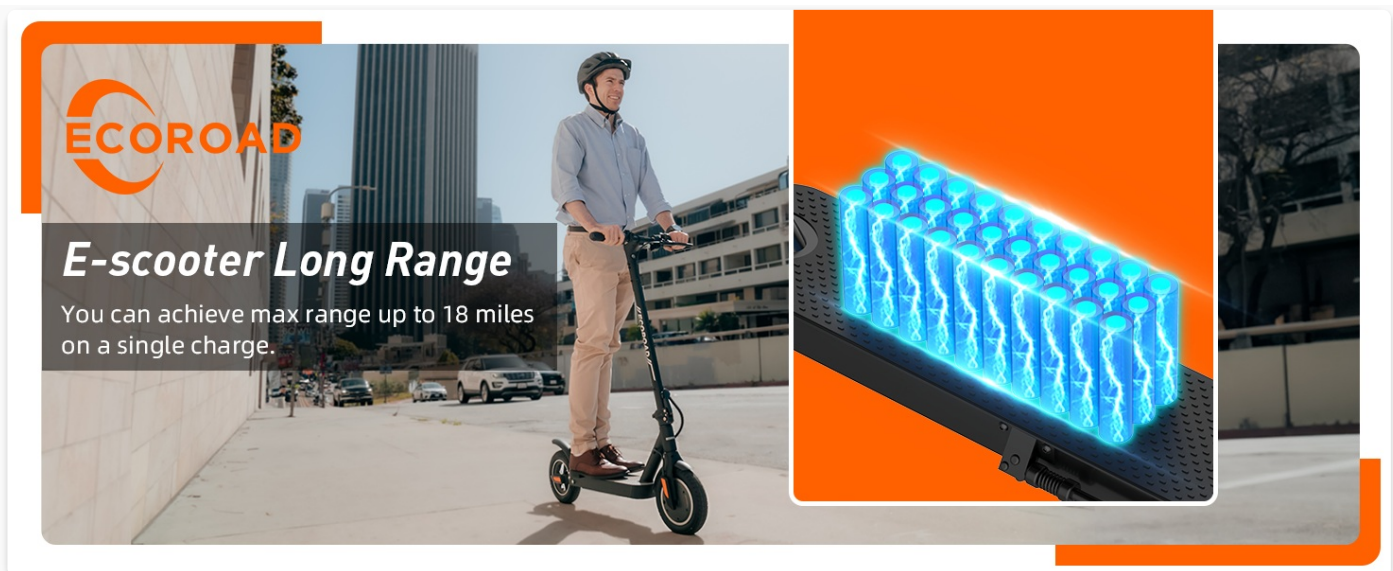


Figure 5: The scooter's long-range battery system, capable of providing up to 29 KM on a single charge.

4. SETUP

Before your first ride, ensure the scooter is properly assembled and charged.

4.1 Unboxing and Initial Assembly

Your ECOROAD EC8 scooter comes partially assembled. The package includes:

- 1 x EC8 Electric Scooter
- 1 x Charger
- 1 x Inner Tube Replacement
- 1 x Tool Set (User Manual, Pump Extender, Allen Wrench, M5 Screws)

Follow the instructions in the included user manual (part of the tool set) for specific assembly steps, which typically involve attaching the handlebars and ensuring all connections are secure.

4.2 Charging the Battery

Connect the charger to the scooter's charging port and then to a power outlet. The LED indicator on the charger will typically show red during charging and turn green when fully charged. A full charge takes approximately 4 hours.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the scooter's controls and riding procedures.

5.1 Starting the Scooter

To activate the motor, you need to achieve a kick-start speed of over 3 MPH (5 KM/H). Once this speed is reached, press the throttle to accelerate.

5.2 Speed Modes

The EC8 offers four speed modes to suit different riding conditions:

- **ECO Mode:** 15 KM/H (9 MPH) - For energy efficiency and longer range.
- **D Mode:** 25 KM/H (16 MPH) - Standard commuting speed.

- **S Mode:** 30 KM/H (19 MPH) - Sport mode for maximum speed.
- **PUSH ASSIST Mode:** 6 KM/H - For walking alongside the scooter.

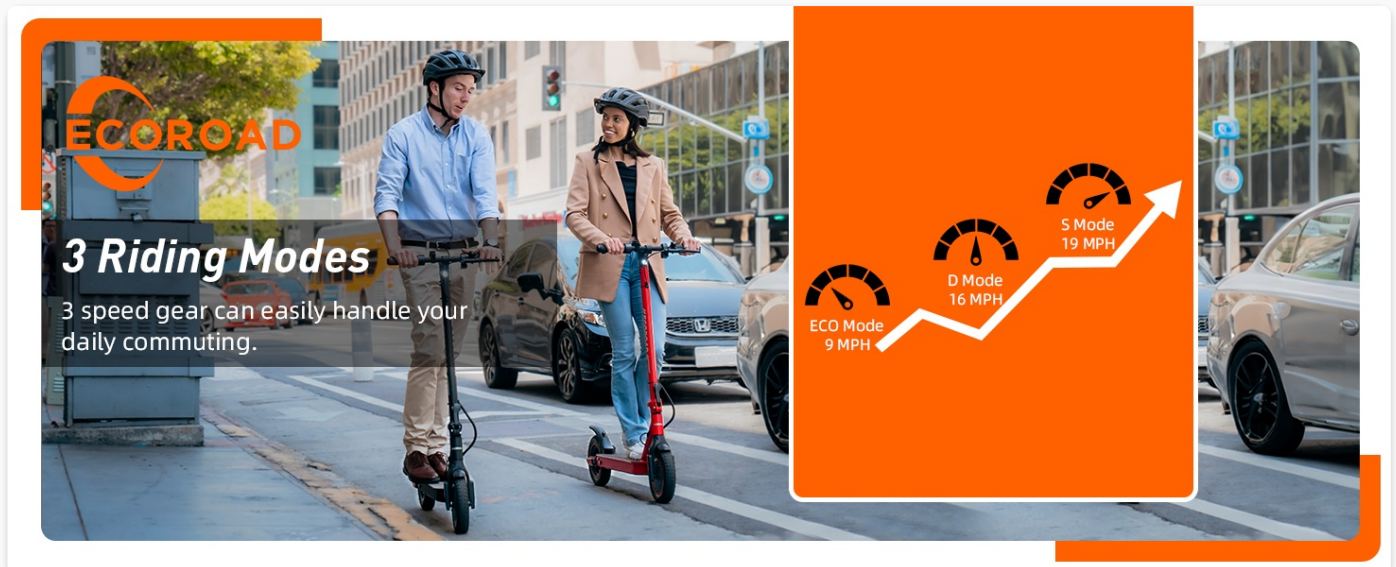


Figure 6: Overview of the three primary riding modes and their speed capabilities.

5.3 Cruise Control

To activate or deactivate Cruise Control, quickly press the power button four times. This feature helps maintain a consistent speed without holding the throttle.

5.4 Lighting and Turn Signals

The scooter is equipped with a bright headlight and taillight for visibility. Turn signals are integrated to clearly communicate your intentions to others, enhancing safety during turns.

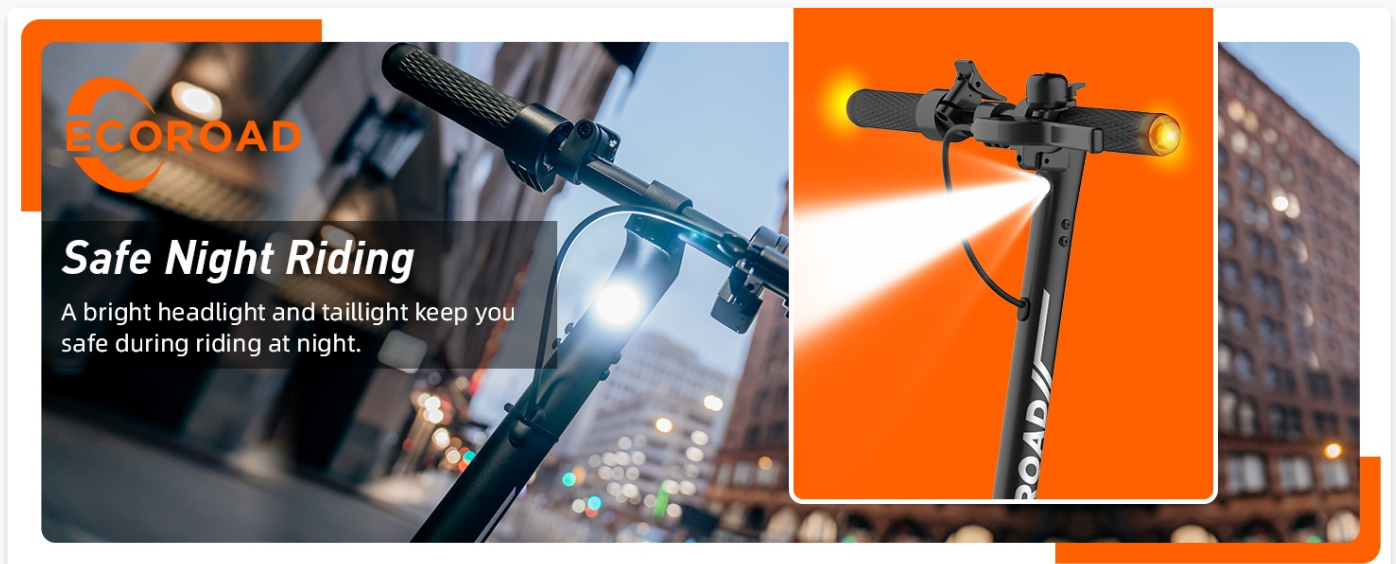


Figure 7: The scooter's headlight and taillight provide illumination for safe night riding.



Safe to Turn

The turn signals can keep you safe when you're turning at intersections.



Figure 8: The integrated turn signals on the handlebars for clear communication during maneuvers.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ECOROAD EC8 scooter.

6.1 Battery Care

As mentioned in the safety section, fully charge the battery before extended storage. For storage longer than one month, discharge and recharge the battery every three months.

6.2 Tire Maintenance

The EC8 uses 10-inch pneumatic tires. Regularly check tire pressure and inspect for any signs of wear or damage. Maintain recommended tire pressure for optimal performance and to prevent punctures. An inner tube replacement is included in your tool kit for convenience.

6.3 General Cleaning and Inspection

Keep the scooter clean by wiping it with a damp cloth. Avoid using high-pressure water jets directly on electrical components. Periodically check all screws and fasteners to ensure they are tight. Inspect brake cables and pads for wear.

7. TROUBLESHOOTING

Refer to these common issues and solutions before contacting support.

7.1 Scooter Does Not Start

Ensure the scooter has a sufficient battery charge. Remember that the EC8 requires a kick-start speed of over 3 MPH (5 KM/H) before the throttle will engage the motor. Push off with your foot to gain initial momentum, then press the throttle.

7.2 Cruise Control Not Engaging/Disengaging

To turn on or off Cruise Control, quickly press the power button four times. Ensure you are pressing it rapidly enough for the system to register the command.

8. SPECIFICATIONS

Feature	Specification
Model Name	EC8
Motor Power	450W Peak (350W Rated)
Max Speed	30 KM/H (19 MPH)
Max Range	25-29 KM
Battery	36V 7.8Ah (280.8Wh) Lithium Ion
Charging Time	Approx. 4 hours
Max Load	120 KG (264 LBS)
Max Slope	15%
Tires	10-inch Pneumatic
Suspension	Rear Suspension
Braking System	Front E-ABS, Rear Disc Brake
Product Dimensions (Unfolded)	111.76 x 49.02 x 114.81 cm (44 x 19.3 x 45.2 inches)
Item Weight	13.2 kg (29 lbs)
Frame Material	Aluminum
Special Features	10" Pneumatic Tires, Cruise Control, Dual Braking System, Rear Suspension, Turn Signals

9. WARRANTY AND SUPPORT

ECOROAD provides customer support and warranty services for your scooter.

9.1 Warranty Information

Warranty coverage varies for different parts of the scooter, typically ranging from 180 days to one year. Please refer to your purchase documentation or contact customer support for specific warranty details applicable to your product.

9.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact ECOROAD customer service:

- **Email:** support-ca@ecoroad.com
- **Phone:** +1 (877) 787-0069

Our CA-Based Online Service team is available to assist you.



Figure 9: ECOROAD customer support team ready to assist with inquiries.

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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