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› EVERCROSS Electric Scooter User Manual

EVERCROSS EV85F

EVERCROSS Electric Scooter User Manual

Model: EV85F
Brand: EVERCROSS

1. INTRODUCTION

This user manual provides essential information for the safe operation, maintenance, and troubleshooting of your EVERCROSS Electric Scooter, Model EV85F. This high-performance electric scooter is designed for commuting and campus rides, offering a convenient and efficient mode of transportation.

The EV85F features a 350W brushless front-drive motor, intelligent battery management, dual shock absorption, and an LED digital display. It also supports smartphone connectivity via the "EVERCROSS PRO" APP for enhanced control and monitoring.

2. SAFETY INFORMATION

Operating an electric scooter carries inherent risks. To ensure your safety and the safety of others, please read and follow all instructions carefully.

- Always wear a helmet and appropriate safety gear (knee pads, elbow pads) when riding.
- Do not ride in wet conditions, heavy rain, or through puddles.
- Ensure the scooter is fully charged and all components are securely fastened before each ride.
- Adhere to local traffic laws and regulations.
- Avoid riding on uneven terrain, steep inclines, or slippery surfaces.
- Maintain a safe distance from other vehicles, pedestrians, and obstacles.
- Do not perform stunts or sudden maneuvers.
- The maximum weight limit for this scooter is 120 kilograms (265 lbs).
- Store the scooter indoors when not in use.
- Only use the specified charger based on the manual.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- EVERCROSS Electric Scooter (Model EV85F)
- Charging Adapter
- L-shape Allen Key
- Screws
- User Manual (this document)

4. ASSEMBLY AND INITIAL SETUP

The EVERCROSS EV85F electric scooter comes mostly pre-assembled. Follow these steps for final assembly and initial setup:

1. **Unfold the Scooter:** Carefully lift the handlebar stem until it locks into place. Ensure the folding mechanism is securely latched.
2. **Attach the Handlebars:** Connect the handlebar assembly to the stem. Ensure the cable is properly routed and not pinched. Secure the handlebars with the provided screws and L-shape Allen key.
3. **Initial Charge:** Before first use, fully charge the scooter's battery. Connect the charging adapter to the charging port on the scooter and then to a power outlet. The LED indicator on the charger will change when fully charged (typically 5-6 hours).
4. **Download the EVERCROSS PRO APP:** Search for "EVERCROSS PRO" in your smartphone's app store. Install the app to access advanced features like locking/unlocking, speed mode control, and riding data.
5. **Pair with APP:** Follow the in-app instructions to pair your scooter via Bluetooth.

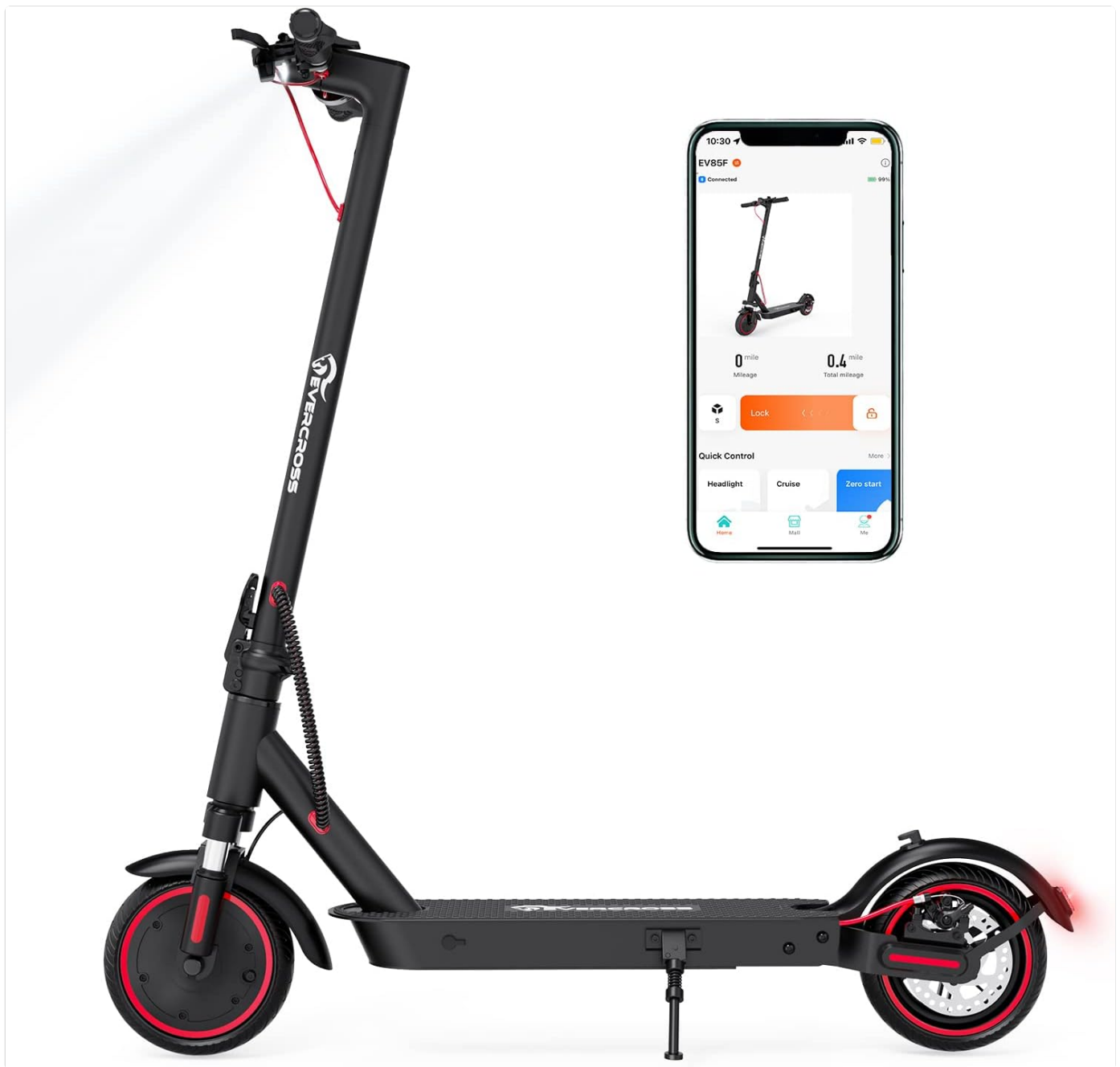


Figure 4.1: EVERCROSS Electric Scooter with its companion mobile application interface.

This image shows the EVERCROSS Electric Scooter in its upright position, with a smartphone displaying the "EVERCROSS PRO" app interface next to it. The app allows users to monitor mileage, battery, and control functions like headlight, cruise control, and zero-start.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and functions before riding.

5.1 Controls and Display

LED DIGITAL DISPLAY



Cruise Control



3 Speed Modes



Battery Life



Riding Data

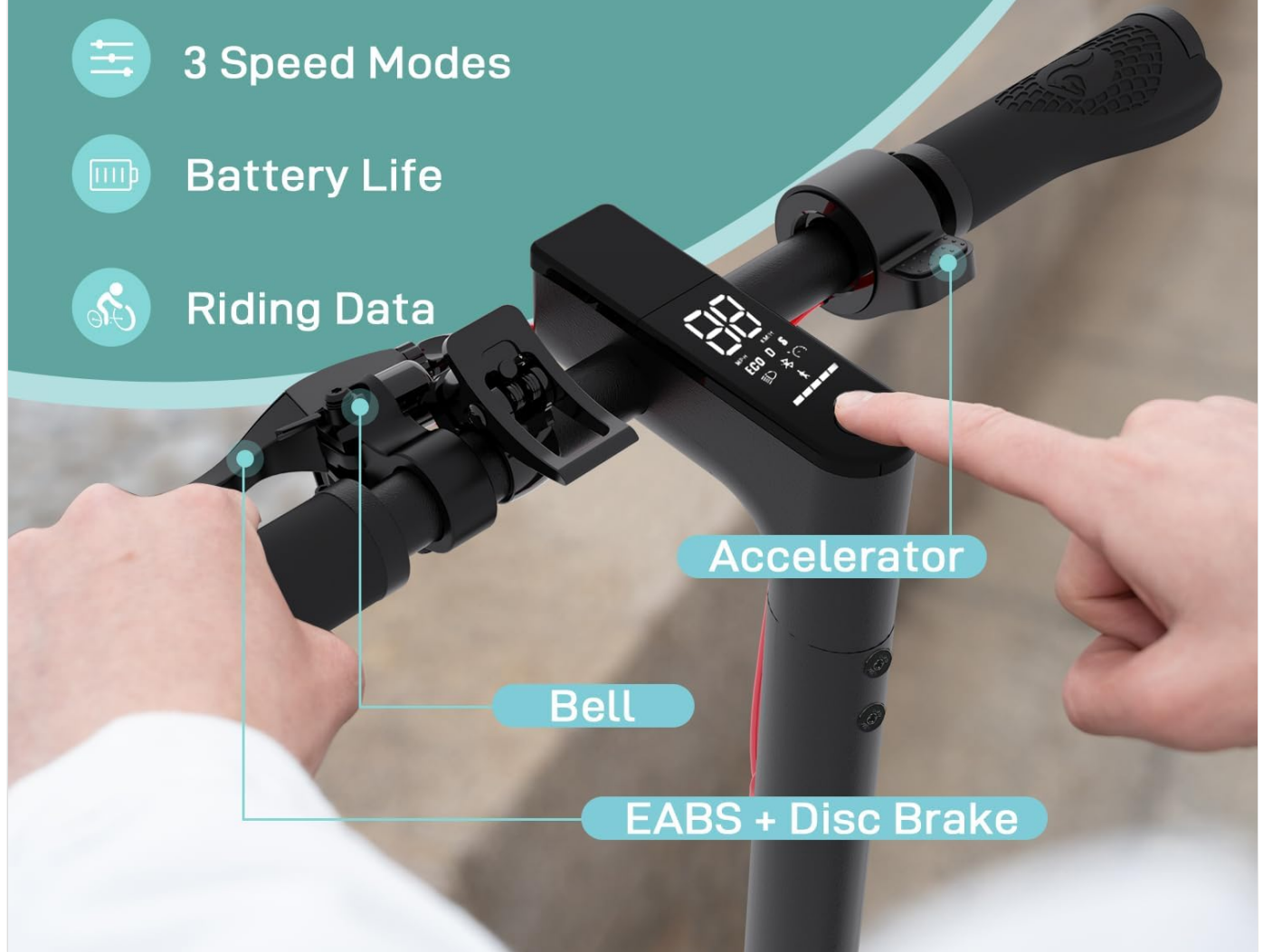


Figure 5.1: Close-up of the scooter's LED digital display and handlebar controls.

This image highlights the LED digital display on the handlebar, showing information such as speed, battery level, and mode. It also points out the accelerator, bell, and the EABS + Disc Brake system controls.

- **Power Button:** A single button controls all riding operations. Press and hold to power on/off.
- **LED Digital Display:** Shows current speed mode, current speed, cruise control status, Bluetooth connection, headlights status, and battery level.
- **Accelerator:** Located on the right handlebar. Gently press down to accelerate.
- **Brake Levers:** Located on both handlebars. The scooter features an Electronic Brake (front) and Disc Brake (rear) system for improved safety.
- **Headlights/Brake Lights:** Double-press the power button to turn on/off the headlights and brake lights.

5.2 Speed Modes

The EV85F offers three adjustable speed modes:

- **ECO Mode:** Approximately 7.5 MPH (12 km/h) - For beginners or extended range.

- **D Mode:** Approximately 12.4 MPH (20 km/h) - Standard mode for balanced performance.
- **S Mode:** Approximately 18.6 MPH (30 km/h) - Sport mode for maximum speed.

Switch between modes using the power button or through the EVERCROSS PRO APP.

5.3 EVERCROSS PRO APP Functions



Figure 5.2: Overview of the EVERCROSS PRO App's functionalities.

This image displays a user interacting with the EVERCROSS PRO app on a smartphone while standing next to the scooter. The image lists key app features: Lock/Unlock, Cruise Control, Riding Data, Switch Riding Mode, Battery Status, and GPS Record.

The EVERCROSS PRO APP allows for enhanced control and monitoring:

- **Lock/Unlock:** Secure your scooter remotely. When locked, the wheels will engage.
- **Cruise Control:** Activate or deactivate cruise control for consistent speed.
- **Riding Data:** View statistics for each trip, including distance and speed.
- **Switch Riding Mode:** Easily change between ECO, D, and S modes.
- **Battery Status:** Monitor the real-time battery level.
- **GPS Record:** Track your routes and location history.

5.4 Shock Absorption and Braking System

DOUBLE BRAKE SYSTEM

Front Eletronic Brake + Back Disc Brake



Figure 5.3: Illustration of the scooter's dual shock absorption system.

This image shows a close-up of the front wheel and suspension springs, illustrating the 350W brushless motor and the front and rear double shock absorption system designed for a smooth ride.



350W BRUSHLESS MOTOR FRONT & REAR DOUBLE SHOCK ABSORPTION

Figure 5.4: Diagram of the scooter's dual brake system.

This image illustrates the dual brake system, showing the front electronic brake on the handlebar and the back disc brake on the wheel, emphasizing the safety features.

The EV85F is equipped with a dual shock absorption system for a comfortable ride on various surfaces. The dual brake system, combining an electronic front brake and a rear disc brake, ensures effective and safe stopping power.

6. MAINTENANCE

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

- **Cleaning:** Wipe the scooter with a damp cloth. Do not use high-pressure water or immerse the scooter in water.
- **Battery Care:**
 - Charge the battery fully after each use.
 - If storing for an extended period, charge the battery to 50-70% every 30-60 days to prevent deep discharge.
 - Only use the original charging adapter.

- **Brake Inspection:** Regularly check the brake levers and disc brake for proper function and wear. Adjust or replace components as needed.
- **Tire Inspection:** The EV85F uses solid tires, eliminating the need for air pressure checks. However, inspect them for damage or excessive wear.
- **Folding Mechanism:** Ensure the folding mechanism is clean and operates smoothly. Lubricate if necessary.
- **General Check:** Periodically check all screws and bolts for tightness.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Scooter does not power on.	Low battery; loose connections.	Charge the battery; check all cable connections.
Reduced range or power.	Battery not fully charged; battery degradation; riding conditions (hills, heavy load).	Ensure full charge; consider battery replacement if old; adjust riding style.
Brakes not effective.	Brake pads worn; brake cable loose.	Inspect and adjust brake cables; replace brake pads if worn.
Unusual noises during operation.	Loose components; foreign objects.	Inspect all parts for tightness; remove any debris.

If the issue persists after attempting these solutions, please contact EVERCROSS customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	EV85F
Motor Power	350W Brushless Front Drive Motor
Battery	36V 7.8Ah Intelligent Battery
Max Speed	18.6 MPH (30 km/h)
Max Range	15-19 Miles
Charging Time	5-6 Hours
Tire Type	8.5-inch Solid Tires
Brake System	Electronic Brake (Front) + Disc Brake (Rear)
Suspension	Dual Shock Absorption
Max Load	120 kg (265 lbs)
Net Weight	15 kg (33 lbs)
Dimensions (L x W x H)	42.52" x 18.9" x 44.88"

Feature	Detail
Frame Material	Aluminum



Figure 8.1: Product label showing key specifications and certifications.

This image displays the product label, which includes the manufacturer, model number (EV85F), motor power (350W), max speed (30km/h or 18.6mph), battery capacity (36V 7.8Ah), charging time (6H), max loading (120kg/265lbs), net weight (15kg), and manufacture year (2023). It also shows the UL2272 certification and FCC/CE marks.

9. WARRANTY AND SUPPORT

Your EVERCROSS Electric Scooter is covered by a 30-Day Limited Replacement Warranty for Manufacturer's Defects. For technical support, warranty claims, or any inquiries, please contact EVERCROSS customer service through their official channels or visit the [EVERCROSS Store on Amazon](#).

