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> EVERCROSS EV85F Electric Scooter User Manual

EVERCROSS EV85F

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Model: EV85F

1. INTRODUCTION

Thank you for choosing the EVERCROSS EV85F Electric Scooter. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your scooter. Please read it thoroughly before your first ride to ensure optimal performance and safety.

The EV85F is designed for adult use, featuring an 8.5-inch wheel size, a 350W brushless motor, and a 7.8Ah battery, offering a maximum speed of 25 km/h and a range of up to 30 km under ideal conditions. It includes a dual braking system and dual suspension for a comfortable and secure riding experience.

2. SAFETY INFORMATION

Operating an electric scooter carries inherent risks. Always prioritize safety to prevent injury or damage. Adhere to local traffic laws and regulations.

- **Wear a Helmet:** Always wear a certified helmet and other protective gear (knee pads, elbow pads) when riding.
- **Check Before Ride:** Before each use, inspect the brakes, tires, and all components to ensure they are in good working order.
- **Avoid Wet Conditions:** Do not ride the scooter in rain or through water. Water can damage electronic components and increase the risk of slipping.
- **Weight Limit:** Do not exceed the maximum load capacity of 120 kg.
- **Age Recommendation:** This scooter is intended for adults.
- **Awareness:** Be aware of your surroundings, pedestrians, and other vehicles. Avoid distractions while riding.
- **Braking:** Familiarize yourself with the dual braking system (E-ABS and disc brake) and practice braking in a safe area.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all items are present and in good condition:

- 1 x EVERCROSS EV85F Electric Scooter
- 1 x Power Adapter/Charger
- 1 x User Manual
- Necessary Assembly Tools (e.g., Allen keys, screws)

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your EVERCROSS EV85F Electric Scooter.



Figure 4.1: Main view of the EVERCROSS EV85F Electric Scooter.



Figure 4.2: Overview of the EV85F Electric Scooter highlighting its 7.8Ah battery, 15 kg net weight, 120 kg max load, 12/20/25 km/h speed modes, and 350W motor.

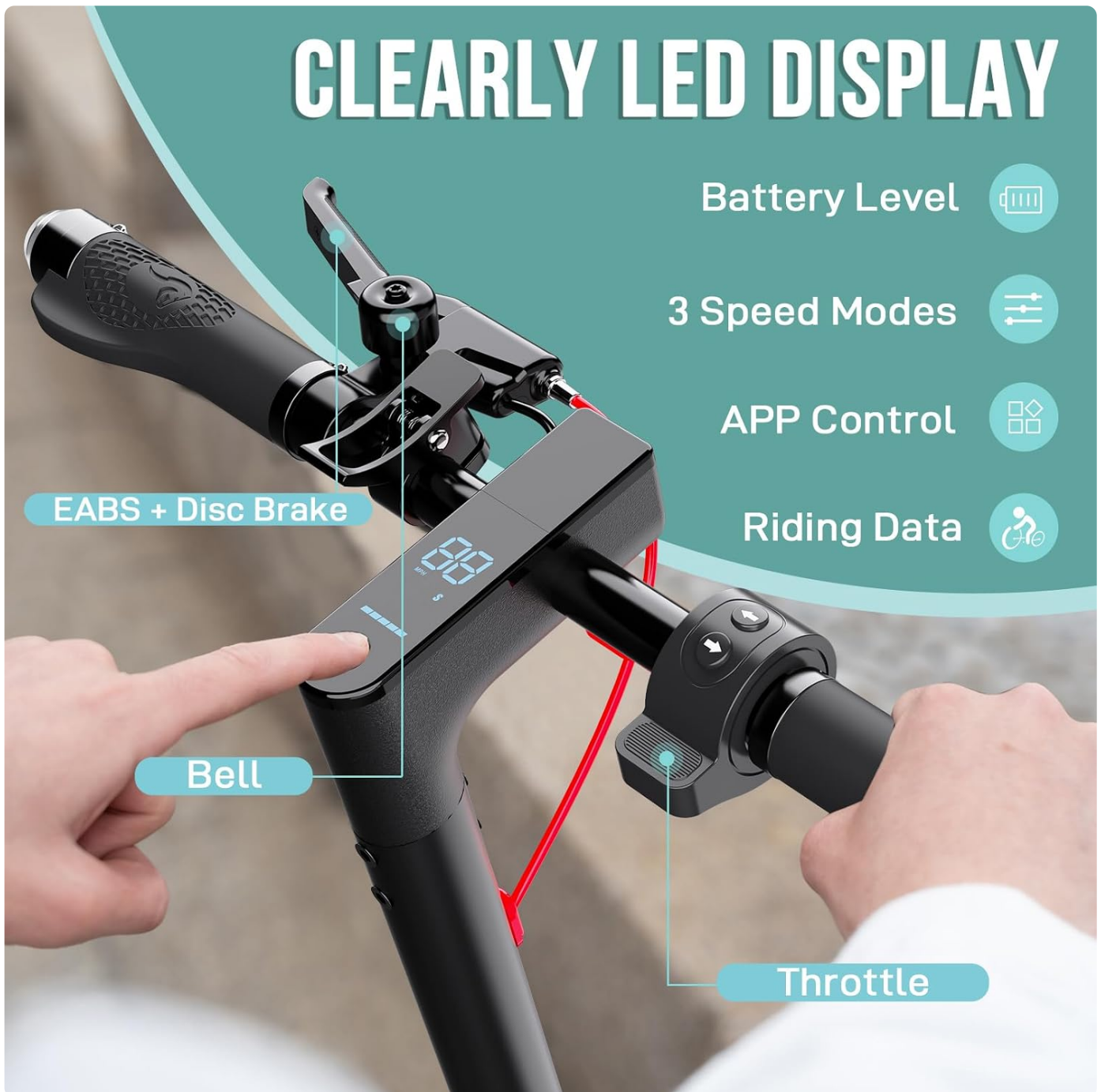


Figure 4.3: Close-up of the handlebar showing the LED display for battery level and speed modes, E-ABS + Disc Brake lever, bell, and throttle control. The display also shows app control status and riding data.

3 SECONDS TO FOLD



Figure 4.4: Details of the front headlight, clear rear taillight, and front and rear turn signals for enhanced visibility and safety.

POWERFUL LITHIUM BATTERY

Powering your ride with a 7.8Ah battery for up to 30 km(18.6 Miles). Our integrated BMS ensures comprehensive protection for safe, reliable, and long-lasting performance.



Figure 4.5: Illustration of the front and rear dual suspension system for a smooth ride, and the dual braking system combining E-brake and rear disc brake for reliable stopping power.

350W BRUSHLESS MOTOR

Powerful | Durable | Easy to Climb | Ideal for City Traffic



* The data referenced above is based on testing conducted under ideal conditions.

Figure 4.6: Diagram illustrating the 350W brushless motor, highlighting its power, durability, and suitability for city traffic, along with its 3 speed modes, 12° max climbing slope, and 25 km/h max speed.

5. SETUP AND INITIAL USE

5.1 Assembly

The EVERCROSS EV85F scooter comes mostly pre-assembled. Only a few steps are required to prepare it for use:

1. **Unfold the Scooter:** Carefully lift the handlebar stem until it locks into place. Ensure the folding mechanism is securely latched.
2. **Attach the Handlebar:** Connect the handlebar to the stem. Align the handlebar with the stem and secure it using the provided screws and tools. Ensure all screws are tightened firmly.
3. **Check Connections:** Verify that all cables are properly connected and not pinched.

5.2 Initial Charging

Before your first ride, fully charge the scooter's battery. This helps to prolong battery life and ensures optimal performance.

- Locate the charging port, usually on the side of the deck.
- Connect the charger to the charging port, then plug the charger into a power outlet.
- The indicator light on the charger will typically turn red during charging and green when fully charged.
- Charging time may vary, but typically takes several hours for a full charge.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **To Power On:** Press and hold the power button on the LED display for a few seconds. The display will light up.
- **To Power Off:** Press and hold the power button again until the display turns off.

6.2 Speed Modes

The EV85F offers three speed modes:

- **Eco Mode:** Approximately 12 km/h (7.5 mph) - Ideal for beginners or conserving battery.
- **Standard Mode:** Approximately 20 km/h (12.4 mph) - Balanced speed and range.
- **Sport Mode:** Approximately 25 km/h (15.5 mph) - Maximum speed for experienced riders.

To switch between speed modes, short press the power button while the scooter is on.

6.3 App Control (EVERCROSS PRO App)

Download the "EVERCROSS PRO" app from your smartphone's app store. The app allows you to:

- View real-time speed, distance, and battery level.
- Lock/unlock the scooter for added security.
- Adjust scooter parameters and settings.
- Access riding data and potentially GPS tracking.

Connect the app via Bluetooth to your scooter. Follow the in-app instructions for pairing.

6.4 Riding and Braking

- **Starting:** Place one foot on the deck and push off with the other foot. Once you have some momentum, press the throttle lever to engage the motor.
- **Braking:** The scooter is equipped with a dual braking system: an E-ABS electronic brake and a rear disc brake. Use the brake lever on the handlebar to activate both brakes simultaneously for effective stopping.
- **Cruise Control:** The scooter features a cruise control function. Maintain a consistent speed for a few seconds, and cruise control will engage, allowing you to release the throttle. Press the brake or throttle again to disengage.

6.5 Folding the Scooter

The EV85F features a quick-folding design for easy storage and transport.

Front & Rear Suspension

Dual suspension smooths out bumps and uneven terrain. Enjoy a stable, comfortable ride on city streets and parkway.



Dual Braking System

Combining e-brake and rear disc brake, this system ensures reliable, responsive stopping power in all riding conditions.

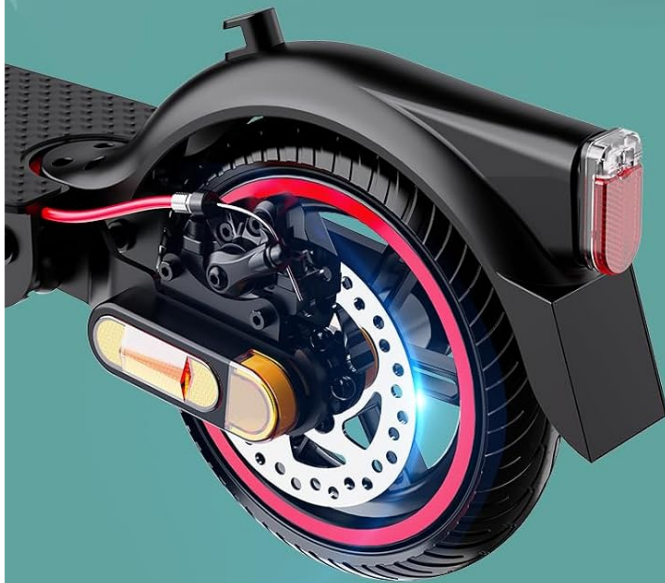


Figure 6.1: Demonstrating the 3-second folding mechanism of the EV85F Electric Scooter for portability.

1. Ensure the scooter is powered off.
2. Locate the folding latch mechanism at the base of the handlebar stem.
3. Engage the release lever/button and fold the handlebar stem downwards until it clicks into place, securing it to the rear fender.
4. To unfold, release the latch and lift the handlebar stem until it locks upright.

6.6 Lights and Turn Signals

- **Headlight:** Press the light button (if available, or double-press power button) to turn on the bright LED front headlight for night riding.
- **Taillight:** The rear taillight illuminates when the headlight is on and brightens when braking.
- **Turn Signals:** Use the dedicated buttons on the handlebar to activate the front and rear yellow turn signals to indicate your direction to others.

7. CHARGING AND BATTERY CARE

The EV85F is equipped with a 36V/7.8Ah lithium battery. Proper charging and care are crucial for battery longevity.

Front & Rear Turn Signals

Make safe turns with flashing yellow signals. They alert others to your direction, day or night, for confident city riding.



Bright Front Headlight

Powerful LED light illuminates your nighttime path. See obstacles clearly and ride with after-dark confidence.



Clear Rear Taillight

Be seen from behind. The red taillight keeps you visible in dim conditions and bad weather.



Figure 7.1: Internal view illustrating the powerful 7.8Ah lithium battery pack, designed for reliable and long-lasting performance.

- Always use the original charger provided with your scooter.
- Do not overcharge the battery. Disconnect the charger once the battery is full.
- Avoid completely draining the battery. Charge it regularly, even if not in frequent use.
- Store the scooter in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to about 50-70% every 1-2 months.

8. MAINTENANCE

Regular maintenance ensures the safety and extends the lifespan of your scooter.

8.1 Cleaning

- Wipe the scooter with a damp cloth. Do not use high-pressure water jets or immerse the scooter in water.
- Avoid using abrasive cleaners or solvents that could damage the finish.

8.2 Tire Care

The EV85F uses solid tires, which require less maintenance than pneumatic tires.

- Regularly inspect tires for wear, cuts, or embedded debris.
- Ensure the tires are clean to maintain optimal grip.

8.3 Brake Inspection

- Check the brake lever for proper tension and responsiveness.
- Inspect the disc brake pads for wear and replace them if necessary.
- Ensure the E-ABS system is functioning correctly.

8.4 General Inspection

- Periodically check all screws and bolts for tightness.
- Ensure the folding mechanism operates smoothly and locks securely.
- Inspect the suspension for any signs of damage or reduced effectiveness.

9. TROUBLESHOOTING

This section addresses common issues you might encounter with your EV85F scooter.

Problem	Possible Cause	Solution
Scooter does not power on	Low battery; Loose connections; Faulty power button	Charge the battery; Check all cable connections; Contact support if button is unresponsive.
Reduced range/power	Low battery charge; Battery degradation; Overload; Riding conditions (uphill, strong winds)	Fully charge battery; Ensure rider weight is within limits; Adjust riding style; Battery replacement may be needed over time.
Brakes feel weak	Worn brake pads; Loose brake cable; Disc brake misalignment	Inspect and replace brake pads; Adjust brake cable tension; Consult a technician for disc brake adjustment.
App connectivity issues	Bluetooth off; App not updated; Scooter not discoverable	Ensure Bluetooth is enabled on phone; Update app to latest version; Restart scooter and app; Re-pair device.
Unusual noises during ride	Loose components; Debris in wheels/motor; Suspension issue	Check all bolts and screws; Inspect wheels and motor area; Contact support if noise persists.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact EVERCROSS customer

support.

10. SPECIFICATIONS

Detailed technical specifications for the EVERCROSS EV85F Electric Scooter:



Figure 10.1: Dimensions of the EV85F Electric Scooter, showing unfolded (108.5L x 47.6W x 114.6H cm) and folded (47.6W x 46H cm) states.

Feature	Specification
Model Name	EV85F
Brand	EVERCROSS
Motor Power	350W Brushless Motor

Feature	Specification
Battery	36V/7.8AH Lithium Battery
Max Speed	25 km/h (15.5 mph)
Max Range	Up to 30 km (18.6 miles)
Speed Modes	3 (12 km/h, 20 km/h, 25 km/h)
Max Load	120 Kilograms
Wheel Size	8.5 Inches (Solid Rubber)
Braking System	E-ABS Electronic Brake + Rear Disc Brake
Suspension Type	Dual Suspension (Front & Rear)
Frame Material	Aluminum
Item Weight	15 Kilograms
Product Dimensions (Unfolded)	108L x 47.6W x 114H Centimeters
Handlebar Height	114 Centimeters
Special Features	LED Display, App Control, Dual Shock Absorbers, Front & Rear Lights, Turn Signals
Recommended Age Range	Adult

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The EVERCROSS EV85F Electric Scooter comes with a standard/limited warranty. Please refer to your purchase documentation or the official EVERCROSS website for specific warranty terms and conditions, including duration and coverage details.

11.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your EVERCROSS EV85F Electric Scooter, please contact EVERCROSS customer support. Contact details can typically be found on the official EVERCROSS website or through your retailer.

EVERCROSS maintains local warehouses in various countries (e.g., UK, Germany, Italy) to facilitate efficient delivery, parts storage, and local repair or replacement services. This commitment aims to reduce processing and delivery times for support needs.

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