

EVERCROSS EK15

EVERCROSS EK15 Electric Bike User Manual

Model: EK15

1. IMPORTANT SAFETY INFORMATION

Read this manual thoroughly before operating your EVERCROSS EK15 Electric Bike. Failure to follow the instructions and safety guidelines can result in serious injury or property damage. Always wear a helmet and appropriate safety gear when riding. Observe all local traffic laws and regulations.

General Safety Precautions:

- Always wear a certified helmet and protective gear.
- Ensure all components are securely fastened before each ride.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions (heavy rain, snow, ice).
- The maximum load capacity for the EK15 is 120 kg (264.55 lbs). Do not exceed this limit.
- The EK15 features a **non-zero start function** for safety. The motor will only activate once the bike is propelled to a speed of at least 6 KM/H (3.75 MPH) to prevent accidental acceleration.

2. PACKAGE CONTENTS

Upon unpacking your EVERCROSS EK15 Electric Bike, please verify that all the following components are included:

- 1 x EVERCROSS EK15 Electric Bike
- 1 x Bike Lock
- 1 x Tire Inflator

- 1 x Battery Charger
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

The EVERCROSS EK15 is a 27.5-inch electric mountain bike designed for adults, featuring a 250W brushless motor, a 36V 13Ah removable battery, and a 7-speed gear system. It offers pedal assist with multiple speed modes and intelligent app control for an enhanced riding experience.



Figure 3.1: Overview of the EVERCROSS EK15 Electric Bike, highlighting key components such as the 250W Brushless Motor, 468 Wh Removable Battery, Front Fork Suspension, Front & Rear Disc Brakes, and 27.5" Pneumatic Tires.

4. ASSEMBLY AND SETUP

4.1 Initial Assembly

Your EK15 electric bike comes partially assembled. Follow these general steps for final assembly:

1. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely.
2. **Pedal Attachment:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Ensure they are fully tightened.
3. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the height for a comfortable riding position. Secure it with the quick-release lever.
4. **Front Wheel Installation:** If not pre-installed, attach the front wheel, ensuring the disc brake rotor is correctly aligned with the caliper.
5. **Check All Fasteners:** Before your first ride, double-check all bolts, nuts, and quick-release levers to ensure they are securely tightened.

4.2 Battery Charging

Before your first ride, fully charge the battery. The 36V 13Ah lithium-ion battery takes approximately 6 to 7 hours for a full charge.

1. Locate the charging port on the battery. The battery can be charged while installed on the bike or removed.
2. Connect the charger to the charging port.
3. Plug the charger into a standard wall outlet. The indicator light on the charger will typically turn red during charging and green when fully charged.
4. Once fully charged, disconnect the charger from the outlet first, then from the battery.

POWERFUL REMOVABLE BATTERY

36V 13AH battery can reach 40-90 KM range in assist mode with Pedal Assist.
Perfect for commutes and weekend adventures.



36V 13Ah
Lithium-ion battery



Removable
& On-Bike Charging



6-7H
Charging Time



Consistent
performance for every ride



Figure 4.2: The 36V 13Ah removable lithium-ion battery, which can be charged on or off the bike.

4.3 Tire Inflation

Ensure tires are inflated to the recommended pressure, typically found on the tire sidewall. Use the included tire inflator for convenience.

5. OPERATION

5.1 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 until the display turns off.

5.2 Riding Modes and Pedal Assist

The EK15 offers three levels of pedal assist. Use the '+' and '-' buttons on the LCD display to switch between these levels. The motor will provide assistance based on the selected level as you pedal. Remember the non-

zero start function: the motor engages only after reaching 6 KM/H.

5.3 Gear Shifting

The bike is equipped with a 7-speed gear system. Use the shifter located on the handlebar to change gears, allowing you to adapt to various terrains and riding conditions. Shift smoothly to avoid strain on the drivetrain.

5.4 Braking System

The EVERCROSS EK15 features reliable mechanical disc brakes on both the front and rear wheels. Apply both brakes simultaneously for effective and controlled stopping. Practice braking in a safe area to familiarize yourself with their response.



Figure 5.4: Illustration of the front and rear mechanical disc brakes, providing reliable stopping power.

5.5 LCD Display Functions

The intelligent LCD display provides essential riding information at a glance:

- **Speed:** Current riding speed.

- **Battery Level:** Remaining battery charge.
- **Distance:** Trip distance and total odometer.
- **Assist Level:** Current pedal assist mode (1-3).
- **Malfunction Mark:** Indicators for potential system errors.



Figure 5.5: Close-up of the multifunctional smart LCD display and handlebar controls, showing battery level, riding distance, speed modes, and other indicators.

5.6 Smartphone App Control

The dedicated "EVERCROSS PRO" app allows you to conveniently control and monitor your EK15 electric bike. It tracks riding speed, battery status, mileage, and provides real-time fault alerts, enhancing comfort and safety.

1. Download the "EVERCROSS PRO" app from your smartphone's app store.
2. Ensure your bike is powered on and Bluetooth is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to pair with your EK15.
4. Once connected, you can view riding data, adjust settings, and receive notifications.



Figure 5.6: Screenshots of the EVERCROSS PRO app interface, demonstrating real-time tracking of battery level, speed, mileage, and vehicle check-up functions.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your EVERCROSS EK15 Electric Bike.

6.1 Daily Checks (Before Each Ride)

- **Tires:** Check tire pressure and for any signs of damage or punctures. The 27.5-inch puncture-resistant pneumatic tires offer durability, but regular inspection is crucial.
- **Brakes:** Test both front and rear brakes to ensure they are responsive and effective. Check brake pads for wear.
- **Battery:** Verify the battery is securely seated and sufficiently charged for your planned ride.
- **Fasteners:** Quickly check that all visible bolts and quick-release levers are tight.

27.5 " PUNCTURE-RESISTANT PNEUMATIC TIRES

The Intelligent Choice for the Modern Urban Explorer



Figure 6.1: The 27.5-inch puncture-resistant pneumatic tires, designed for various terrains and urban environments.

6.2 Regular Maintenance (Weekly/Monthly)

- **Chain:** Clean and lubricate the chain regularly to ensure smooth gear changes and prevent wear.
- **Brake Cables:** Inspect brake cables for fraying or damage. Adjust tension as needed.
- **Suspension:** Check the front fork suspension for proper function and clean any debris.
- **Cleaning:** Wipe down the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

6.3 Battery Care

- Store the battery in a cool, dry place when not in use.
- Avoid fully discharging the battery frequently.
- If storing for an extended period, charge the battery to about 50-70% and recharge every 1-2 months.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your EVERCROSS EK15 Electric Bike. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is not charged or not properly installed.	Ensure battery is fully charged and securely seated in its compartment. Check connections.
Motor is not assisting.	Non-zero start not met, pedal assist level is zero, or a sensor issue.	Ensure you are pedaling above 6 KM/H. Increase pedal assist level on the display. Check for error codes on the LCD.
Brakes feel weak or noisy.	Worn brake pads, loose cables, or disc contamination.	Inspect brake pads for wear and replace if necessary. Check brake cable tension. Clean discs with a suitable brake cleaner.
Gears are not shifting smoothly.	Dirty chain, misaligned derailleur, or stretched cable.	Clean and lubricate the chain. Inspect the derailleur for alignment. If issues persist, professional adjustment may be needed.

8. TECHNICAL SPECIFICATIONS

Below are the detailed specifications for the EVERCROSS EK15 Electric Bike:

- **Bike Type:** Electric Bike
- **Age Range:** Adult
- **Brand:** EVERCROSS
- **Number of Speeds:** 7
- **Wheel Size:** 27.5 Inches
- **Suspension Type:** Front Fork Suspension
- **Special Features:** Digital Display, App Control, Dual Disc Brakes, Multiple Speeds, Front Fork Suspension
- **Motor:** 250W Brushless Motor
- **Battery:** 36V 13Ah Lithium-ion (468 Wh)
- **Charging Time:** 6-7 hours
- **Range (Pedal Assist):** 40-90 km (25-56 miles) per charge
- **Max Speed:** Up to 25 km/h (15.5 mph)
- **Max Load Capacity:** 120 kg (264.55 lbs)
- **Vehicle Net Weight:** 26.4 kg (58.2 lbs)
- **Recommended Rider Height:** 165-200 cm (5.4-6.6 ft)

INTELLIGENT APP CONTROL

Conveniently control your bicycle.

The dedicated "EVERCROSS PRO" app tracks riding speed, battery status, mileage, and fault alerts in real time, enhancing comfort and safety. Your riding experience will be greatly improved.

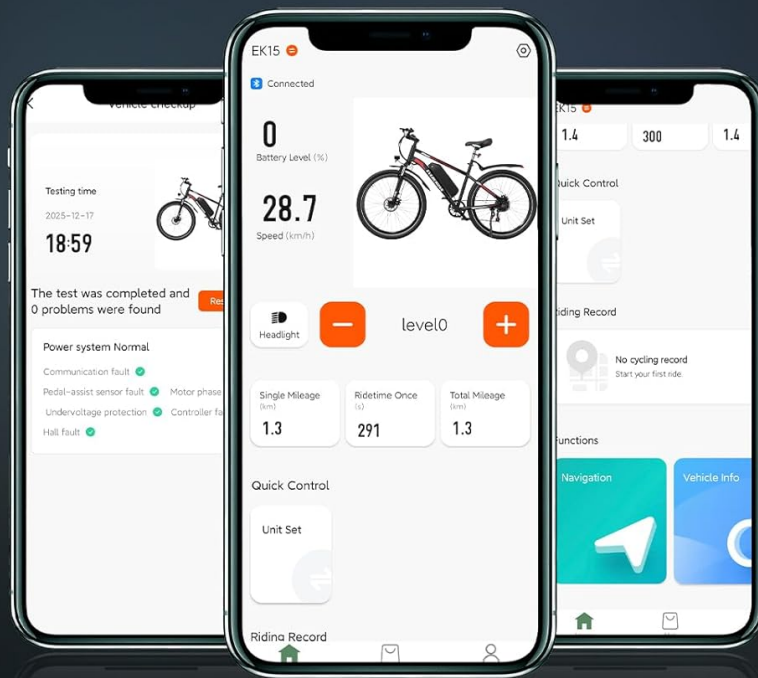


Figure 8.1: Dimensions of the EVERCROSS EK15 Electric Bike and recommended rider height and load capacity.

9. WARRANTY AND CUSTOMER SUPPORT

Your EVERCROSS EK15 Electric Bike comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For any technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact EVERCROSS customer support through the official website or your retailer.

For the most up-to-date support information, visit the [EVERCROSS Brand Store](#).

