

EVERCROSS EK28M

EVERCROSS EK28 28-inch Electric Bicycle User Manual

Model: EK28M

1. INTRODUCTION

Thank you for choosing the EVERCROSS EK28 Electric Bicycle. This manual provides essential information for the safe assembly, operation, and maintenance of your new electric bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety. Keep this manual for future reference.



Image 1.1: The EVERCROSS EK28 Electric Bicycle.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. This electric bicycle is UL2849 certified, indicating compliance with electrical system safety standards.

- Always perform a pre-ride inspection, including brakes, tires, battery, and lights.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Ensure the battery is securely locked in place before riding.
- Avoid riding in extreme weather conditions.

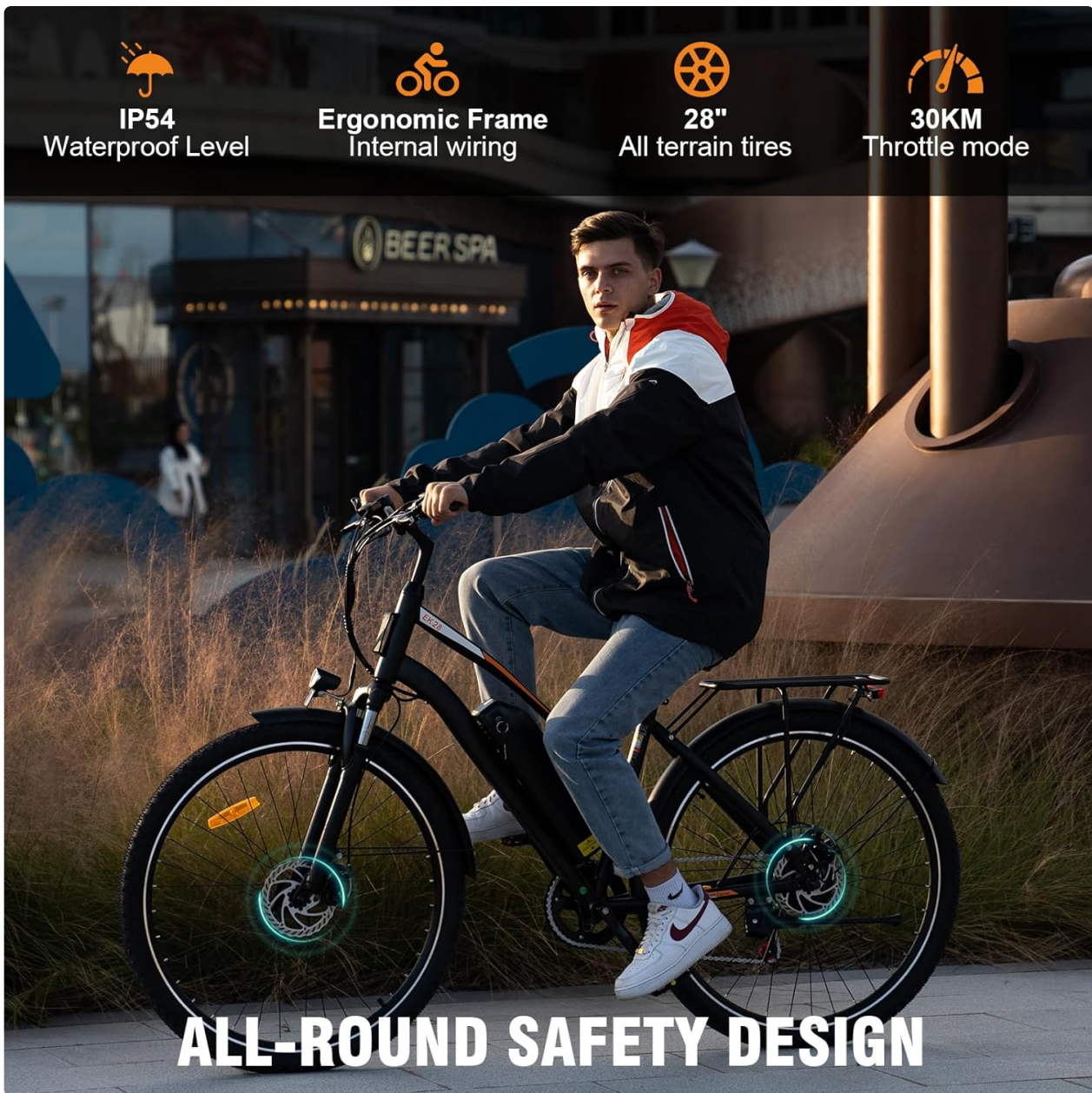


Image 2.1: Rider on the EVERCROSS EK28, highlighting the all-round safety design.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Motor:** 500W brushless motor, providing assistance up to 20 MPH.
- **Battery:** Removable and lockable 36V 12Ah Lithium-ion battery.
- **Range:** Up to 60 miles with pedal assist (actual range varies with terrain, rider weight, and assist level).
- **Gears:** 7-speed gear system for versatile riding.
- **Display:** Multi-function LCD screen displaying speed, mileage, gear ratio, and battery level.
- **Brakes:** Front and rear disc brakes for reliable stopping power.
- **Suspension:** Front suspension for improved ride comfort.

3.2 Included Components

The package includes:

- EVERCROSS EK28 Electric Bicycle
- 36V 12Ah Lithium-ion Battery

- Battery Charger
- Lock
- Tool Kit
- User Manual (this document)

4. SETUP AND INITIAL PREPARATION

4.1 Assembly

Your EVERCROSS EK28 electric bike arrives mostly pre-assembled. The included tool kit contains necessary items for final assembly. Refer to the detailed instructions provided in the packaging for step-by-step guidance. Typically, this involves attaching the front wheel, handlebars, pedals, and seat.

4.2 Battery Installation and Charging

1. Locate the battery compartment on the bike frame.
2. Insert the 36V 12Ah lithium-ion battery and ensure it clicks securely into place. Use the provided key to lock the battery.
3. Before first use, fully charge the battery. Connect the charger to the battery charging port and then to a standard power outlet.
4. The charging time is approximately 6-7 hours for a full charge. The charger indicator light will change when charging is complete.

Removable Lithium Battery



30-90KM
Pedal Assist



36V 12Ah
Battery Life



BMS
Power-Saving



6-7H
Charging Time

Image 4.1: The removable 36V 12Ah Lithium Battery with charging details.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button on the LCD display to turn the bike's electrical system on or off.

5.2 Riding Modes

The EK28 offers three riding modes:

- **Pure Electric Mode:** Engage the throttle for motor-only propulsion without pedaling.
- **Power Assisted Mode:** The motor provides assistance as you pedal. Adjust the assist level via the LCD display. This mode offers an extended range of 21 to 60 miles.
- **Normal Bike Mode:** The electric system is off, and you pedal the bike like a traditional bicycle.



Image 5.1: Illustration of extended range achievable with pedal assist mode.

5.3 LCD Display

The multi-function LCD screen provides real-time information:

- Current Speed
- Total Mileage
- Current Gear Ratio (Assist Level)
- Battery Level Indicator

Ensure the display is visible and functional, especially for nighttime riding.

ALL-TERRAIN READY DAMPING



Image 5.2: The smart LCD display and front suspension system.

5.4 Gear System

The 7-speed gear system allows you to adjust pedaling effort for various terrains. Use the twist grip shifter to change gears. Lower gears are suitable for climbing hills, while higher gears are for flat terrain and higher speeds.



5.5 Braking

The EK28 is equipped with front and rear disc brakes. Apply both brakes simultaneously and smoothly to slow down or stop. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.



Image 5.4: Front and rear disc brakes for enhanced safety.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bicycle.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tires:** Check tire pressure before each ride. Maintain recommended pressure for optimal performance and safety.
- **Brakes:** Inspect brake pads and cables regularly. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery frequently. Charge it at least once a month if not in use.
- **Fasteners:** Periodically check all bolts and nuts for tightness.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly installed.	Ensure battery is fully charged and securely locked. Check connections.
Motor not assisting	Low battery, incorrect riding mode, or sensor issue.	Charge battery. Switch to Power Assisted or Pure Electric mode. Check display for error codes.
Brakes feel weak	Worn brake pads or loose brake cables.	Inspect and adjust brake cables. Replace worn brake pads.

Problem	Possible Cause	Solution
Unusual noises	Loose components, dry chain, or debris.	Check all fasteners. Lubricate chain. Inspect for foreign objects.

8. SPECIFICATIONS

Detailed specifications for the EVERCROSS EK28 Electric Bicycle:

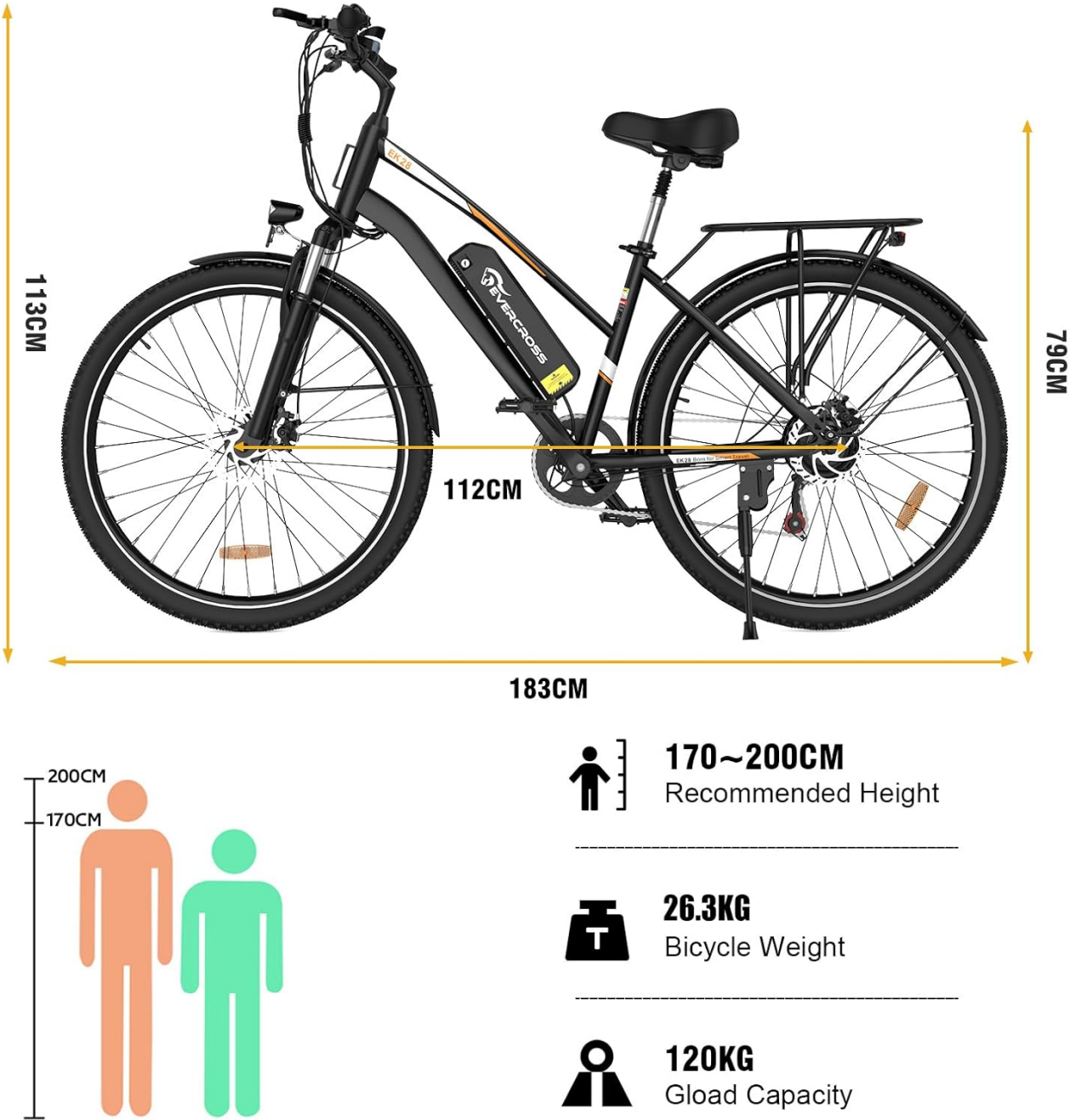


Image 8.1: Key dimensions and rider specifications for the EK28.

Feature	Detail
Model Name	EK28M
Bike Type	Electric Bike
Age Range	Adult

Feature	Detail
Motor Wattage	500 watts
Battery	36V 12Ah Lithium-ion (432 Watt Hours)
Number of Speeds	7
Wheel Size	28 Inches
Frame Material	Carbon Steel
Suspension Type	Front
Brake Style	Disc
Maximum Weight Recommendation	300 Pounds
Product Dimensions	72.8 x 24.2 x 47.6 inches (185 x 61.5 x 121 cm)
Net Weight	26.3 kg (57.98 lbs)
Color	Black
Certification	UL2849 certified

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The EVERCROSS EK28 Electric Bicycle comes with a **3-month limited warranty**. Please refer to the warranty card included in your packaging for specific terms and conditions.

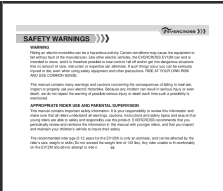
9.2 Customer Support






Should you encounter any issues or have questions regarding your EVERCROSS EK28 Electric Bicycle, our dedicated customer support team is available to assist you. The packaging includes all necessary tools and accessories for installing this EVERCROSS electric bike, along with detailed instructions. We are committed to providing professional and enthusiastic support until your concerns are resolved.

For assistance, please refer to the contact information provided in your product packaging or visit the official EVERCROSS website.

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Related Documents - EK28M

	<p>EVERCROSS EV12M Electric Motorbike User Manual and Safety Guide</p> <p>Comprehensive guide for the EVERCROSS EV12M electric motorbike, covering safety warnings, package contents, assembly, riding instructions, charging, specifications, maintenance, and warranty information.</p>
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	<p>Manuale Utente EVERCROSS EV10K PRO: Guida Completa, Specifiche e Garanzia</p> <p>Scopri come utilizzare, caricare, mantenere e risolvere i problemi del tuo scooter elettrico EVERCROSS EV10K PRO. Include specifiche tecniche, istruzioni di sicurezza e dettagli sulla garanzia.</p>
	<p>EVERCROSS EV12M Electric Bike User Manual and Safety Guide</p> <p>Comprehensive user manual for the EVERCROSS EV12M electric bike, covering assembly, safety, operation, charging, maintenance, and warranty information. Learn how to safely ride and care for your EV12M.</p>
	<p>EVERCROSS A1 Electric Scooter User Manual</p> <p>Comprehensive user manual for the EVERCROSS A1 electric scooter, covering assembly, charging, operation, safety guidelines, troubleshooting, maintenance, and specifications. Learn how to safely operate and maintain your A1 scooter.</p>
	<p>EVERCROSS EK6 Electric Bike User Manual</p> <p>Comprehensive user manual for the EVERCROSS EK6 electric bike, covering product overview, assembly instructions, and battery removal/installation.</p>
	<p>EVERCROSS EV10K PRO Electric Scooter User Manual</p> <p>Official user manual for the EVERCROSS EV10K PRO electric scooter. Find detailed instructions on assembly, charging, riding, safety precautions, app connectivity, maintenance, specifications, and troubleshooting. Essential guide for EV10K PRO owners.</p>