

## EVERCROSS EK28

# EVERCROSS EK28 Electric Bike User Manual

Model: EK28 | Brand: EVERCROSS

## PRODUCT OVERVIEW

The EVERCROSS EK28 Electric Bike is designed for adults, featuring a powerful 500W motor and a 36V 12AH removable lithium-ion battery. It offers a range of 21 to 60 miles with pedal assist and can reach speeds up to 20 MPH. This electric mountain bike is equipped with a 7-speed gear system, front suspension, and disc brakes for a versatile and safe riding experience.



Image: The EVERCROSS EK28 Electric Bike in black, showcasing its robust frame and features.

## SETUP AND ASSEMBLY

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Your EVERCROSS EK28 Electric Bike comes partially assembled. Follow these steps carefully to complete the assembly process. All necessary tools are included in the packaging.

- 1. Unboxing and Inspection:** Carefully remove all components from the packaging. Inspect all parts for any signs of damage during transit. Ensure all listed components in the user manual are present.
- 2. Handlebar Installation:** Insert the handlebar stem into the fork tube. Adjust the height and angle for comfortable riding, then securely tighten the bolts using the provided tools.
- 3. Front Wheel Attachment:** Align the front wheel with the fork. Ensure the disc brake rotor slides correctly into the brake caliper. Secure the wheel using the quick-release skewer or axle nuts.
- 4. Seat Post and Saddle Adjustment:** Insert the seat post into the frame's seat tube. Adjust the saddle height to ensure proper leg extension while pedaling. Secure the seat post clamp.
- 5. Battery Installation:** Carefully slide the removable lithium-ion battery into its designated slot on the bike frame. Ensure it clicks securely into place and use the key to lock it.
- 6. Reflector Installation:** Attach the front and rear reflectors to their respective positions on the bike for enhanced visibility.
- 7. Pedal Installation:** Identify the left (L) and right (R) pedals. Thread them into the crank arms, ensuring to tighten them securely. Note that the left pedal has a reverse thread.

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Video: Official EVERCROSS EK28 Electric Bike Installation Notes. This video provides a visual guide for assembling your new electric bike, covering key steps from unboxing to final checks.

# Removable Lithium Battery



30-90KM  
Pedal Assist



36V 12Ah  
Battery Life



BMS  
Power-Saving



6-7H  
Charging Time

Image: Close-up of the removable lithium battery, highlighting its features like 36V 12Ah capacity and 6-7 hour charging time.

## OPERATING YOUR EK28 ELECTRIC BIKE

The EK28 offers multiple riding modes and features to enhance your cycling experience.

### Riding Modes:

- Pure Electric Mode:** Engage the throttle for motor-only propulsion without pedaling.
- Power Assisted Mode:** The motor provides assistance as you pedal, offering an easier ride, especially on inclines.
- Normal Bike Mode:** Ride the bike like a traditional bicycle without any motor assistance.

### LCD Display Functions:

The multi-function LCD screen provides essential riding information:

- Speed (current, average, max)

- Mileage (trip and total)
- Gear Ratio/Assist Level
- Battery Level Indicator
- Headlight status



Image: The smart LCD display showing various riding metrics, alongside illustrations of the front and seat shock absorption system.

### Gear System and Brakes:

The 7-speed gear system allows you to adapt to various terrains and inclines, boosting hill-climbing power and optimizing performance. The front and rear disc brakes provide reliable stopping power, ensuring safety even in wet conditions.

# Powerful & Efficient Riding System



**500W MOTOR**  
Brushless Geared Motor



**7-SPEED**  
Shimano Gearing



**25°**  
Climbing Slope

Image: Detailed view of the 500W brushless geared motor and 7-speed Shimano gearing system, highlighting the bike's powerful and efficient drivetrain.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your EVERCROSS EK28 Electric Bike.

- Battery Care:** Charge the 36V/12Ah lithium-ion battery fully (approximately 6-7 hours) after each ride or when the battery level is low. Avoid completely draining the battery. Store the battery in a cool, dry place if not in use for extended periods.
- Tire Pressure:** Regularly check and maintain the recommended tire pressure for optimal ride quality and to prevent punctures. Refer to the tire sidewall for specific pressure ranges.
- Brake Inspection:** Periodically inspect the front and rear disc brakes for wear on the pads and proper cable tension. Adjust or replace components as needed to ensure effective braking.
- Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust. Use a bicycle-specific chain lubricant.

- General Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.

## TROUBLESHOOTING

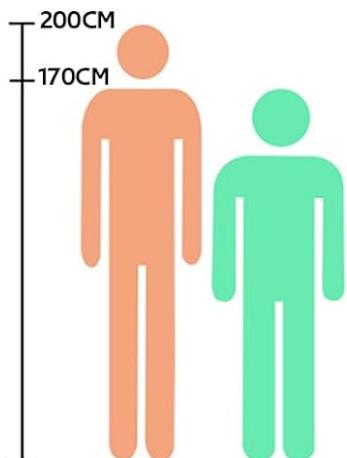
If you encounter issues with your EK28 Electric Bike, consider these common troubleshooting steps:

- Bike Not Powering On:** Ensure the battery is fully charged and properly seated in its compartment. Check that the power button on the display is pressed.
- Motor Not Assisting:** Verify that the pedal assist level is set above zero on the LCD display. Check for any loose connections to the motor or battery.
- Brakes Squealing or Ineffective:** Inspect brake pads for wear and ensure they are clean. Check brake cable tension and adjust if necessary.
- Unusual Noises:** Check for loose components, especially around the wheels, pedals, and chain. Lubricate the chain if it sounds dry.

For persistent issues or complex repairs, please contact EVERCROSS customer support.

## SPECIFICATIONS

Feature	Detail
Bike Type	Electric Bike
Motor	500W Brushless Motor
Battery	36V 12AH Removable Lithium-ion
Range (Pedal Assist)	21 to 60 Miles
Max Speed	20 MPH (30 km/h)
Wheel Size	28 Inches
Number of Speeds	7
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
Safety Certification	UL2849 Certified



**170~200CM**

Recommended Height



**26.3KG**

Bicycle Weight



**120KG**

Gload Capacity

Image: Diagram illustrating the key dimensions of the EVERCROSS EK28 Electric Bike, including height, length, and recommended rider height.

## WARRANTY AND SUPPORT

Your EVERCROSS EK28 Electric Bike comes with a limited 3-month warranty. For any questions, concerns, or technical assistance, please reach out to our dedicated customer support team.

Our professional and enthusiastic team is ready to assist you until your problems are resolved. Please refer to the contact information provided in your product packaging or visit the official EVERCROSS website for support details.

The product is UL2849 certified, ensuring high safety standards.

