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› Evmore 36V 5.2Ah Electric Motorcycle User Manual

## Evmore EM-ED01

# Evmore 36V 5.2Ah Electric Motorcycle User Manual

Model: EM-ED01

## INTRODUCTION

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This user manual provides essential information for the safe and efficient operation, assembly, and maintenance of your Evmore 36V 5.2Ah Electric Motorcycle. Please read this manual thoroughly before first use to ensure proper handling and to maximize the lifespan of your product. This electric motorcycle is designed for children aged 5 to 12 years, offering a fun and engaging off-road experience.



Figure 1: Evmore 36V 5.2Ah Electric Motorcycle. This image shows the full electric motorcycle from a front-side angle, highlighting its blue frame, black seat, handlebars, and knobby tires, ready for off-road adventures.

## SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions could result in serious injury or death. Always supervise children during operation.

- Always wear a helmet and appropriate safety gear (knee pads, elbow pads, sturdy shoes) when riding.
- Do not ride on public roads, sidewalks, or in traffic. This product is intended for off-road use only.
- Ensure the rider's weight does not exceed the maximum load capacity of 60 kg (132 lbs).
- Do not allow more than one rider at a time.

- Keep hands, feet, hair, and clothing away from moving parts such as wheels and chain.
- Avoid riding in wet conditions, on slippery surfaces, or in poor visibility.
- Always check the brakes, tires, and battery charge before each ride.
- Adult assembly is required. Ensure all components are securely fastened before use.
- Do not modify the electric motorcycle. Any modifications can compromise safety and void the warranty.

## PRODUCT OVERVIEW

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The Evmore Electric Motorcycle is equipped with a powerful motor and robust features for a thrilling yet safe riding experience.

- **Motor:** 300W (350W peak power) for strong acceleration.
- **Battery:** 36V 5.2Ah Lithium-ion for extended range.
- **Speed Modes:** Three adjustable speed settings (8 km/h, 12 km/h, 25 km/h).
- **Wheels:** 12.5-inch wear-resistant rubber tires for excellent grip.
- **Suspension:** Highly elastic suspension system with hydraulic damping front fork and high-strength shock springs for a smooth ride.
- **Brakes:** Reliable drum brakes for effective stopping power.



**350W  
Motor Power**

**Max. Speed  
10 mph**

**36V 5.2Ah  
Battery**

**Max Range  
10 miles**

Figure 2: Key Features in Action. This image shows a child wearing a helmet and protective gear, seated on the electric motorcycle, with overlaid icons indicating 350W Motor Power, Max Speed 10 mph (16 km/h), 36V 5.2Ah Battery, and Max Range 10 miles (16 km), illustrating the product's capabilities.

# POWERFUL MOTOR PROVIDES SURGING POWER



Figure 3: Powerful Motor. This graphic illustrates the electric motor's power, showing a glowing blue energy flow from the motor to the rear wheel, emphasizing its "surging power" for dynamic performance.

# SUPER SHOCKPROOF



Hydraulic  
Damping  
Front Fork

High-strength  
Shock Springs

Figure 4: Super Shockproof System. This image highlights the motorcycle's suspension, showing a child holding a helmet next to the bike, with close-up insets of the hydraulic damping front fork and high-strength shock springs, demonstrating the advanced shock absorption.

## SETUP AND ASSEMBLY

The Evmore Electric Motorcycle requires careful assembly by an adult. Follow these steps to ensure the vehicle is properly set up for safe operation.

1. **Unpacking:** Carefully remove all components from the packaging. Check the packing list to ensure all parts are present.
2. **Handlebar Installation:** Attach the handlebars to the front fork stem. Ensure they are aligned correctly and all bolts are tightened securely.
3. **Front Wheel Assembly:** Install the front wheel, ensuring the axle is properly seated and secured. Check that the brake mechanism is correctly aligned with the wheel.
4. **Seat Adjustment:** If adjustable, set the seat height to a comfortable and safe position for the rider, allowing

them to place their feet flat on the ground when stopped.

5. **Battery Connection:** Connect the battery as per the instructions provided in the battery compartment. Ensure a secure connection.
6. **Initial Charge:** Before first use, fully charge the battery. Refer to the "Charging the Battery" section for details.
7. **Pre-Ride Inspection:** Before every ride, perform a thorough inspection: check tire pressure, brake function, handlebar tightness, and overall stability.

*Note: This electric motorcycle is relatively heavy. It is recommended that assembly be performed by two adults for ease and safety.*

## CHARGING THE BATTERY

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The Evmore Electric Motorcycle is powered by a 36V 5.2Ah Lithium-ion battery. Proper charging ensures optimal performance and battery longevity.

1. **Locate Charging Port:** Identify the charging port on the motorcycle.
2. **Connect Charger:** Plug the charger into a standard wall outlet (AC 100-240V). Then, connect the charger's output plug to the motorcycle's charging port.
3. **Charging Indicator:** The charger will typically have an indicator light (e.g., red for charging, green for fully charged).
4. **Charging Time:** A full charge takes approximately 5-6 hours. Do not overcharge the battery.
5. **Disconnect:** Once fully charged, disconnect the charger from the motorcycle first, then from the wall outlet.

*Important: Only use the charger provided with your Evmore Electric Motorcycle. Charging should always be done under adult supervision in a well-ventilated area. Do not charge if the battery or charger appears damaged.*

# 36V 5.2AH BATTERY



Figure 5: 36V 5.2Ah Battery. This graphic provides an X-ray view of the motorcycle's frame, revealing the internal structure of the 36V 5.2Ah battery pack, emphasizing its compact and integrated design.

## OPERATING INSTRUCTIONS

### Turning On/Off

- To turn on the motorcycle, locate the power switch (usually near the handlebars or battery compartment) and flip it to the "ON" position.
- To turn off, flip the power switch to the "OFF" position. Always turn off the motorcycle when not in use.

### Selecting Speed Modes

The Evmore Electric Motorcycle features three speed modes to accommodate different skill levels and riding environments.

- **Mode 1 (Low):** Approximately 8 km/h (5.0 mph) - Ideal for beginners and confined spaces.

- **Mode 2 (Medium):** Approximately 12 km/h (7.5 mph) - Suitable for intermediate riders.
- **Mode 3 (High):** Approximately 25 km/h (15.5 mph) - For experienced riders in open areas.

To change speed modes, use the designated speed selector switch, typically located on the handlebars. Always select a speed mode appropriate for the rider's skill level and the riding conditions.

## Riding and Braking

- **Starting:** Once powered on and a speed mode is selected, gently twist the throttle on the handlebar to accelerate.
- **Steering:** Steer by turning the handlebars in the desired direction. Practice in an open area to get accustomed to the steering response.
- **Braking:** To slow down or stop, gently squeeze the brake levers on the handlebars. The motorcycle is equipped with drum brakes for effective stopping. Apply both brakes smoothly for controlled deceleration.
- **Terrain:** The motorcycle is designed to tackle varied terrain. However, avoid excessively rough or steep inclines to prevent damage or loss of control.



Figure 6: Tackling Varied Terrain. This image shows a child riding the electric motorcycle across different surfaces, including gravel, asphalt, and grass, illustrating its capability to handle diverse off-road environments.

## MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Evmore Electric Motorcycle.

- **Cleaning:** Wipe down the motorcycle with a damp cloth after each use. Avoid using high-pressure water jets or harsh chemicals, which can damage electrical components.
- **Tire Pressure:** Check tire pressure regularly. Recommended pressure is 2.3-2.5 bar (33-36 psi). Proper tire pressure ensures optimal performance and safety.
- **Brakes:** Periodically inspect brake pads and cables for wear. Adjust or replace as necessary to maintain effective braking.
- **Chain Lubrication:** Lubricate the drive chain regularly with appropriate chain lubricant to ensure smooth operation and prevent rust.
- **Fasteners:** Check all bolts, nuts, and fasteners periodically to ensure they are tight. Re-tighten any loose components.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge the battery every 30-60 days to prevent deep discharge.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your Evmore Electric Motorcycle.

Problem	Possible Cause	Solution
Motorcycle does not turn on.	Battery is not charged; Power switch is off; Loose battery connection.	Charge the battery; Turn on the power switch; Check and secure battery connections.
Motorcycle loses power or runs slowly.	Low battery charge; Overload (rider too heavy); Riding on steep incline.	Recharge the battery; Ensure rider is within weight limit; Ride on flatter terrain.
Brakes are not effective.	Brake pads worn; Brake cable loose.	Inspect and replace brake pads; Adjust brake cable tension.
Unusual noises during operation.	Loose components; Dry chain; Debris in moving parts.	Check and tighten all fasteners; Lubricate the chain; Inspect for and remove any debris.

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

## SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	EM-ED01
Motor Power	300W (Peak 350W)
Battery Capacity	36V 5.2Ah Lithium-ion
Max Speed	25 km/h (15.5 mph)
Speed Modes	Mode 1: 8 km/h (5.0 mph), Mode 2: 12 km/h (7.5 mph), Mode 3: 25 km/h (15.5 mph)
Max Range	Up to 16 km (10 miles) (under optimal conditions)
Max Load	60 kg (132 lbs)
Wheel Size	12.5 inches
Tire Pressure	2.3-2.5 bar (33-36 psi)
Charging Time	5-6 hours
Charger Input/Output	Input: AC 100-240V / Output: DC 42V 10A
Max Climb Angle	12 degrees
IP Rating	IPX4
Seat Height	53.9 cm (21.2 inches)
Dimensions (L x W x H)	111 x 57 x 72 cm (43.7 x 22.4 x 28.3 inches)
Recommended Age	5-12 years
Frame Material	Aluminum
Brake Type	Drum
Suspension Type	Full Suspension



Figure 7: Product Dimensions. This diagram provides key measurements of the electric motorcycle, including its length (43.7 inches), handlebar width (22.4 inches), and height (28.3 inches), offering a clear visual reference for its size.

## WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official Evmore website.

If you require technical assistance, have questions about assembly, operation, or maintenance, or need to report a defect, please contact Evmore customer support.

- **Customer Support:** Refer to your purchase receipt or the Evmore official website for contact details.
- **Online Resources:** Check the Evmore website for FAQs, video tutorials, and updated manuals.

