

gorise OS01

gorise OS01 16-inch Electric Bike User Manual

Model: OS01 | Brand: gorise

1. INTRODUCTION

Thank you for choosing the gorise OS01 16-inch Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your e-bike.

Safety Information

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Ensure all components are securely fastened before riding.

2. PRODUCT OVERVIEW

The gorise OS01 is a versatile 16-inch electric bike designed for adults and teens, offering a blend of power, comfort, and durability for commuting and off-road adventures. It features a robust motor, long-range battery, and full suspension system.

750W Brushless Motor

27.8MPH
Max Speed

65N.m
Torque

10°
Gradeability

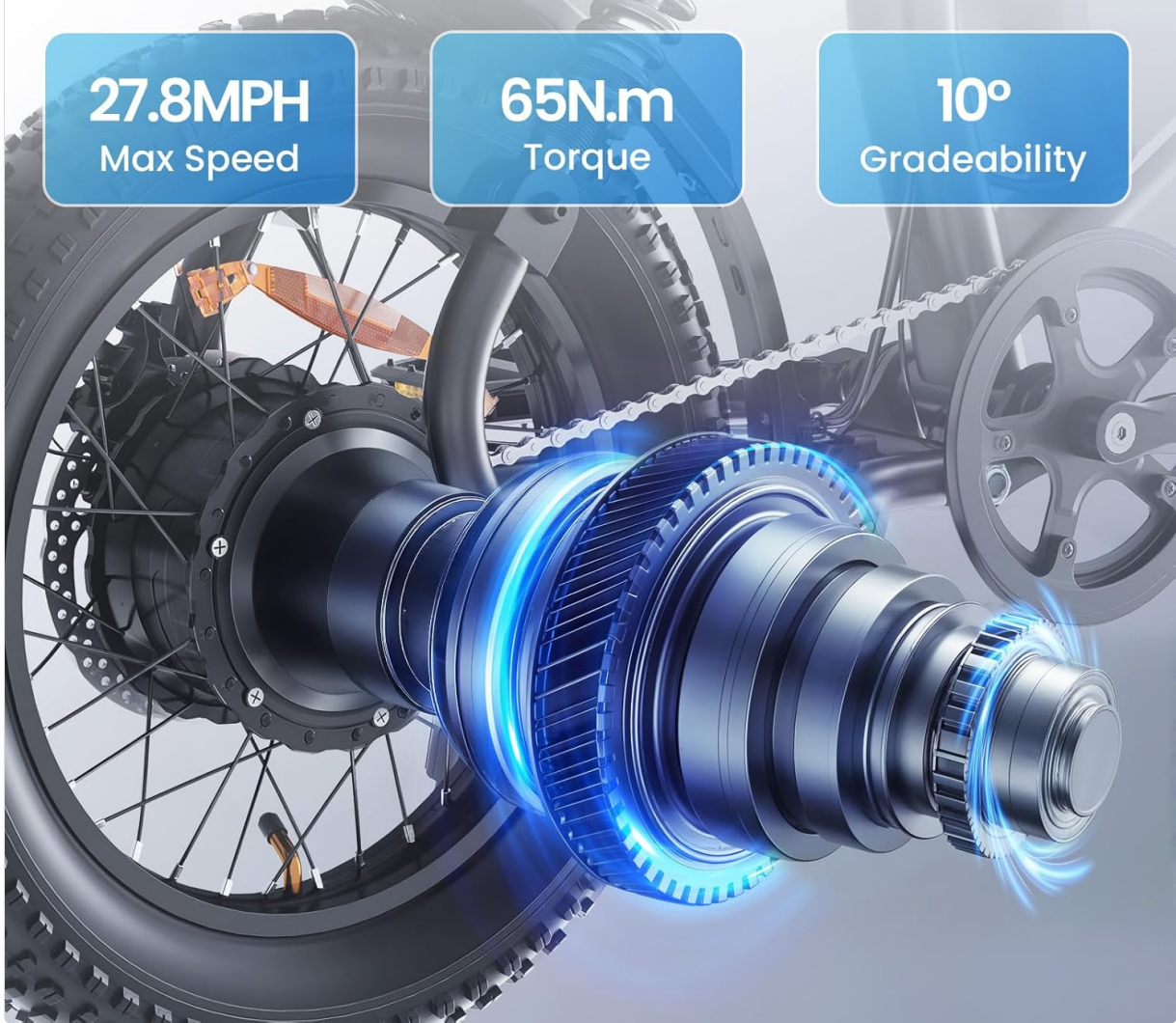


Image: The gorise OS01 16-inch Electric Bike, showcasing its compact frame and fat tires.

Key Features:

- **Motor:** 750W peak hub motor with 65N.m torque.
- **Battery:** Removable 48V 15Ah lithium battery (UL 2849 certified, IP54 waterproof, BMS protection).
- **Range:** Up to 60 miles on a single charge.
- **Top Speed:** Up to 27.8 MPH.
- **Suspension:** Full suspension system with 50mm front fork and adjustable rear dual shock absorbers.
- **Tires:** 16x3.0 inch non-slip fat tires for various terrains.
- **Brakes:** Dual mechanical disc brakes.
- **Display:** Color LCD display showing remaining power, speed, and mileage.
- **Frame:** 16-inch lightweight carbon steel frame, suitable for riders 4'9"-5'9".
- **Load Capacity:** Up to 264 lbs (120kg).

3. WHAT'S IN THE BOX

Upon unpacking, please ensure all the following items are present:

- gorise OS01 Electric Bike
- Charger (DC 54.6V 2A)
- Tool Kit
- User Manual (this document)
- Mudguards

4. SETUP

Your gorise OS01 electric bike comes partially assembled. Follow these general steps for final assembly and initial preparation.

Assembly Steps:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely.
3. **Pedal Installation:** Identify left (L) and right (R) pedals. Thread them into the crank arms. Note that the left pedal has a reverse thread. Tighten firmly with a wrench.
4. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the height for comfortable riding. Secure with the quick-release lever.
5. **Mudguard Installation:** Attach the front and rear mudguards using the provided hardware.
6. **Initial Battery Charge:** Before your first ride, fully charge the battery. Refer to the 'Battery Information' section for details.
7. **Pre-Ride Check:** Double-check all bolts, nuts, and quick releases to ensure they are tight and secure. Verify brake functionality and tire pressure.

16" Lightweight Frame



Image: The gorise OS01 Electric Bike with key dimensions, useful for assembly and fit.

5. OPERATING INSTRUCTIONS

Understand how to properly operate your gorise OS01 electric bike for a safe and enjoyable experience.

Powering On/Off:

- To power on, press and hold the power button on the display until it illuminates.
- To power off, press and hold the power button again until the display turns off.

Riding Modes:

The OS01 offers three distinct riding modes:

- **Pure Electric Mode:** Engage the throttle for motor-only propulsion without pedaling.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. Adjust the assist level (1-5) using the display controls.
- **Bicycle Mode:** Ride as a traditional bicycle with no motor assistance.

LED Color Display



Image: The LED Color Display, illustrating the various riding modes and data points like speed and mileage.

Speed Settings:

The e-bike features 5 safe speed levels (6/12.5/19/25/27.8 MPH) which can be selected via the display controls. The 750W brushless motor provides powerful acceleration and a maximum speed of 27.8 MPH.



Image: Detailed view of the 750W brushless motor, highlighting its power and torque capabilities.

Braking:

The gorise OS01 is equipped with dual mechanical disc brakes for reliable stopping power. Always apply both brakes smoothly and gradually. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.

6. BATTERY INFORMATION

The e-bike is powered by a removable 48V 15Ah lithium battery, certified to UL 2849 safety standards, featuring BMS protection and IP54 waterproofing.

Charging Procedure:

1. Ensure the e-bike is powered off.
2. Locate the charging port on the battery. The battery can be charged while installed on the bike or removed.
3. Connect the charger to the charging port, then plug the charger into a standard wall outlet.
4. The charger indicator light will typically show red during charging and turn green when fully charged.
5. Charging time is approximately 5-6 hours for a full charge.

6. Once fully charged, disconnect the charger from the outlet first, then from the battery.

720Wh Removable Battery

UL2849 Standards



48V 15Ah
Lithium Battery



50-60 Miles
Mileage



IP54
Waterproof



BMS
Protection

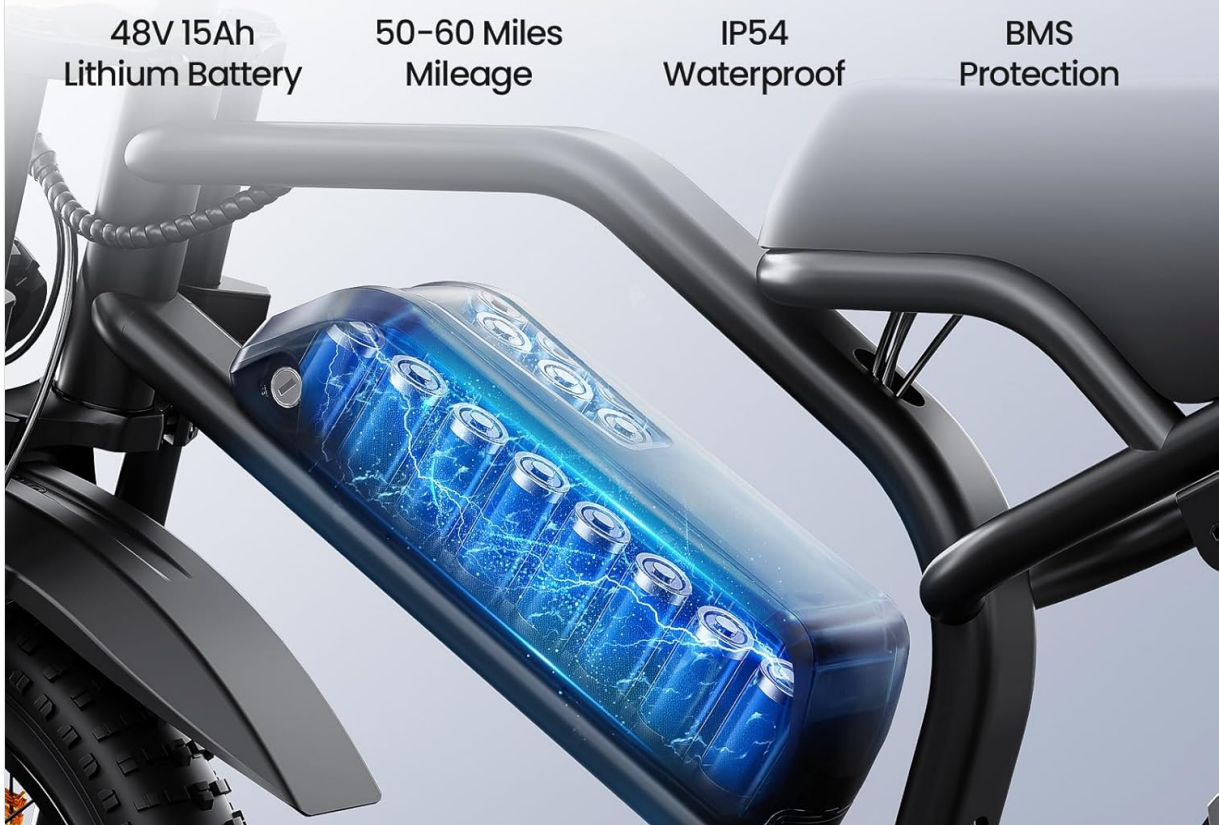


Image: The 720Wh removable battery, highlighting its UL2849 certification, 48V 15Ah capacity, IP54 waterproofing, and BMS protection.

Battery Care and Safety:

- Use only the original charger provided with your e-bike.
- Do not expose the battery to extreme temperatures (hot or cold) or direct sunlight for extended periods.
- Store the battery in a cool, dry place when not in use.
- Avoid fully discharging the battery regularly; charge it before it drops below 20%.
- If the battery is not used for a long time, charge it to about 60% every two months.
- The battery features a key lock for anti-theft security.

7. MAINTENANCE

Regular maintenance is crucial for the safety, performance, and lifespan of your electric bike.

General Cleaning:

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washing, especially near electrical components.
- Keep the chain clean and lubricated to ensure smooth operation and prevent rust.

Tire Pressure:

Check tire pressure before each ride. The 16x3.0 inch fat tires require specific pressure for optimal performance and comfort. Refer to the tire sidewall for recommended PSI ranges. Proper inflation prevents punctures and improves ride quality.



Image: The 16x3.0 inch fat tire, designed for stability and grip across various terrains including snow, beach, road, and mountain paths.

Brake Inspection:

- Regularly inspect brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust cable tension if needed.

Suspension Check:

The full suspension system includes a 50mm long travel front fork and adjustable rear dual shock absorbers. Periodically check the suspension components for any signs of damage or excessive play. The rear shock absorbers' spring stiffness can be adjusted by rotating them left or right.

Full suspension shock Absorber System

4X shock absorber +
ergonomic riding seat,
full of comfort



Image: Illustration of the full suspension system, featuring the front fork and adjustable rear shock absorbers for enhanced comfort.

Rear Dual Shock Absorbers

Adjustable Spring Hardness



Image: Close-up of the rear dual shock absorbers, showing the mechanism for adjusting spring stiffness by rotation.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your gorise OS01 electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged; Battery not properly seated; Loose electrical connection; Power button malfunction.	Charge the battery fully; Ensure battery is securely locked in place; Check all visible cable connections; Contact support if issue persists.
Motor not assisting/engaging	Pedal Assist System (PAS) level set to 0; Brake levers engaged; Loose motor connection; Throttle issue.	Increase PAS level on the display; Ensure brake levers are fully released; Check motor cable connections; Test throttle functionality.

Problem	Possible Cause	Solution
Short battery range	Insufficient charging; Riding in high assist/throttle mode; Low tire pressure; Heavy load; Cold weather.	Ensure full charge; Use lower assist levels; Maintain correct tire pressure; Reduce load; Battery performance can be reduced in cold weather.
Brakes feel weak	Worn brake pads; Loose brake cable; Contaminated rotors/pads.	Inspect and replace brake pads; Adjust brake cable tension; Clean rotors and pads with appropriate cleaner.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact gorise customer support.

9. SPECIFICATIONS

Feature	Specification
Bike Type	Electric Bike
Model Number	OS01
Motor	750W Hub Motor, 65N.m Torque
Battery	48V 15Ah Lithium (UL 2849 Certified, IP54, BMS Protection)
Battery Energy Content	720Wh
Max Speed	27.8 MPH
Max Range	Up to 60 Miles
Charging Time	5-6 Hours
Tires	16 x 3.0 inch Fat Tires
Brakes	Mechanical Disc Brakes (Front & Rear)
Suspension	Full Suspension (50mm Front Fork, Adjustable Rear Dual Shocks)
Frame Material	Carbon Steel
Net Weight	61.7 lbs (28 kg)
Load Capacity	264 lbs (120 kg)
Suitable Rider Height	4'9" - 5'9"
Display	Color LCD Display
Number of Speeds	1 (with 5 Pedal Assist Levels)

10. WARRANTY AND SUPPORT

Warranty Information:

The gorise OS01 Electric Bike comes with a **one-year comprehensive warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage due to misuse, accidents, normal wear and tear, or unauthorized modifications.

After-Sales Support:

gorise provides **lifetime after-sales support** for your electric bike. If you have any questions, concerns, or require technical assistance, please do not hesitate to contact our customer service team.

Contact Information:

For support, please refer to the contact details provided on your purchase receipt or the official gorise website.

11. SAFETY GUIDELINES

Your safety is paramount. Adhere to these guidelines for a safe riding experience:

- Always wear a certified helmet and appropriate protective gear (gloves, knee pads, elbow pads).
- Understand and obey all local traffic laws, regulations, and ordinances.
- Be aware of your surroundings and ride defensively. Anticipate potential hazards.
- Do not exceed the maximum load capacity of 264 lbs (120 kg).
- Avoid riding in adverse weather conditions (heavy rain, snow, ice) or poor visibility.
- Ensure headlights and taillights are functional, especially when riding in low light conditions.
- Regularly inspect your bike for any loose parts, damage, or wear before each ride.
- Do not attempt stunts or extreme riding that could damage the bike or cause injury.