GOSEN G5

GOSEN G5 Folding Electric Bike User Manual

Model: G5 | Brand: GOSEN

Introduction Safety Guidelines Components Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your GOSEN G5 Folding Electric Bike. Please read this manual thoroughly before your first ride and retain it for future reference. The GOSEN G5 is designed for adults, featuring a powerful 750W motor, a long-range 48V 15AH battery, 20-inch fat tires, dual shock absorption, and a Shimano 7-speed gear system, making it suitable for various terrains and commuting needs.



Figure 1.1: The GOSEN G5 Folding Electric Bike, showcasing its robust design and army green finish. This image highlights the overall appearance of the bike, including its fat tires and integrated rear rack.

2. Safety Guidelines

Your safety is paramount. Always adhere to local traffic laws and regulations. Wear a helmet and appropriate safety gear. Perform pre-ride checks before each use.

2.1 Pre-Ride Checklist

- **Brakes:** Ensure both front and rear brakes are functioning correctly.
- **Tires:** Check tire pressure and inspect for any damage or excessive wear.
- **Battery:** Verify the battery is securely locked and sufficiently charged.
- **Lights:** Confirm headlights and taillights are operational.
- **Gears:** Test gear shifting to ensure smooth transitions.
- **Frame:** Inspect the frame and folding mechanisms for any loose parts or damage.

2.2 Riding Environment

The GOSEN G5 is designed for various terrains, including urban roads, snow, mountains, and beaches. However, always exercise caution and adjust your riding style to suit the conditions. Avoid riding in extreme weather or on excessively slippery surfaces.



Figure 2.1: The 20" x 4.0" all-terrain fat tires of the GOSEN G5, highlighting their anti-slip, wear-resistant, and strong grip properties suitable for urban, snow, mountain, and beach roads.

3. Components Overview

Familiarize yourself with the main components of your GOSEN G5 Electric Bike.

- **Motor:** 750W brushless motor, providing powerful assistance.
- **Battery:** 48V 15AH (720Wh) removable lithium battery.
- **Tires:** 20" x 4.0" puncture-resistant fat tires.
- **Suspension:** Dual shock absorption system (front fork and seat post).

- **Brakes:** Dual disc brake system (front and rear).
- **Gears:** Shimano 7-speed gear system.
- **Display:** Intelligent LCD display showing speed, battery level, PAS level, and mileage.
- **Folding Mechanism:** Quick-release folding frame for portability.

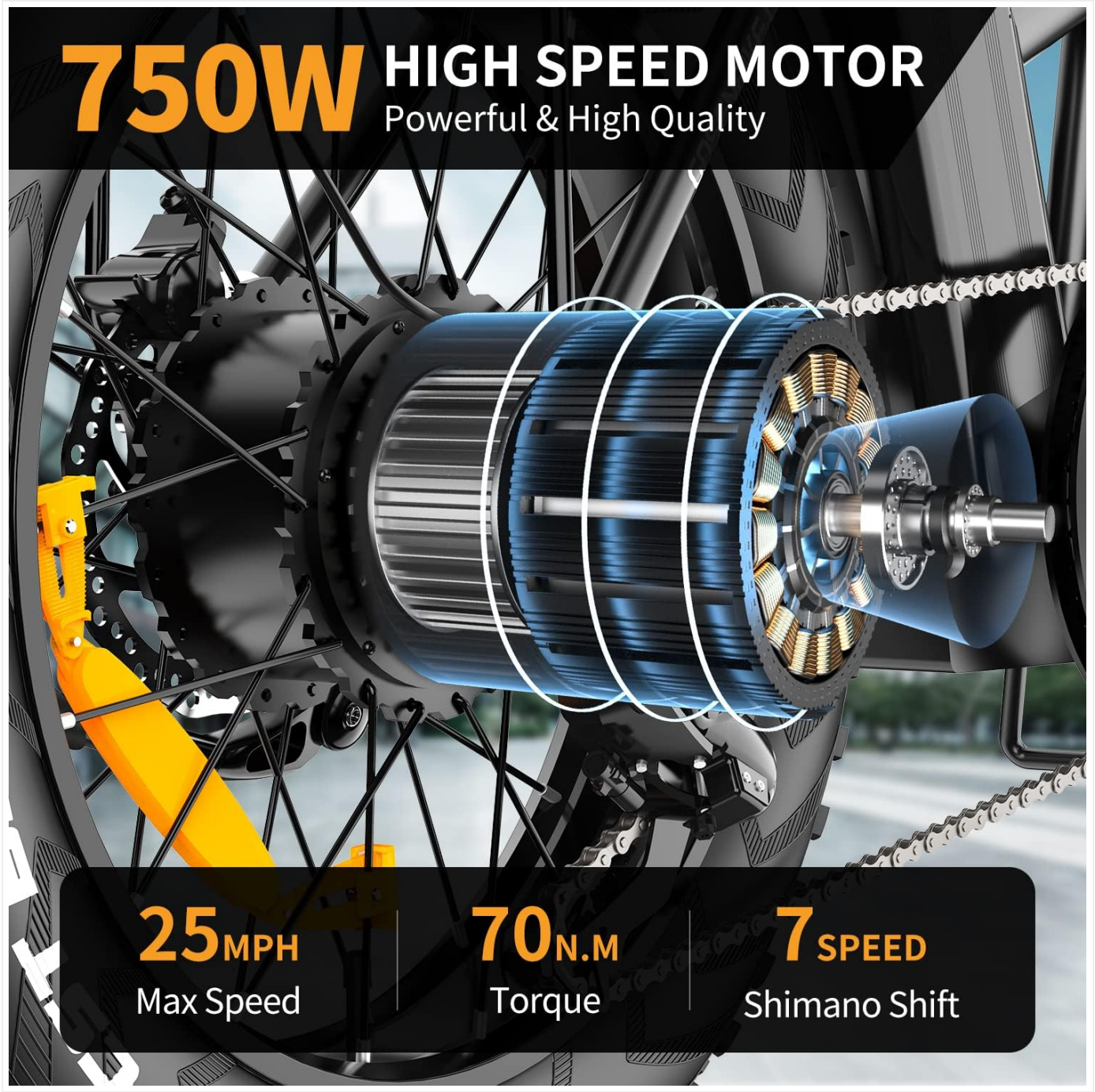


Figure 3.1: Detailed view of the 750W high-speed brushless motor and the Shimano 7-speed gear system, illustrating the power and drivetrain components of the GOSEN G5.



Figure 3.2: Illustration of the GOSEN G5's dual shock absorber system, including the high-strength lockable suspension front fork and the suspension seatpost, designed for a smooth and comfortable ride.

4. Setup and Initial Assembly

Your GOSEN G5 e-bike comes 95% pre-assembled. Follow these steps for final assembly and initial preparation.

4.1 Unpacking and Assembly

1. Carefully remove the bike from its packaging.
2. Unfold the frame and secure the folding mechanism. Ensure it clicks into place firmly.
3. Attach the front wheel, handlebars, pedals, and seat post as per the included assembly guide.
4. Adjust the handlebar and seat height to a comfortable riding position. The adjustable handlebar and seat accommodate riders of different heights.

4.2 Battery Installation and Charging

The 48V 15AH lithium battery is removable for convenient charging. It is recommended to fully charge the battery before your

first ride.

- To remove the battery: Unlock and slide the battery out from its compartment.
- To charge: Connect the charger to the battery charging port and then to a power outlet. The charging time is approximately 6-7 hours for a full charge.
- To install: Slide the charged battery back into the compartment until it locks securely.



Figure 4.1: The 48V 15AH removable lithium battery, illustrating its placement and the ease of removal for charging. This image also shows the estimated range in throttle and PAS modes, and charging time.



Figure 4.2: The GOSEN G5 folded, demonstrating its compact size (38.2"x23.5"x27.7") and how it fits into a car trunk, emphasizing its portability for commuting and travel.

5. Operating Your GOSEN G5

Understand the various modes and controls for an optimal riding experience.

5.1 Intelligent LCD Display

The LCD display provides real-time information about your ride.

- **Power On/Off:** Press and hold the power button to turn the bike on or off.
- **Headlight On/Off:** Use the dedicated button to control the headlight.
- **Speed:** Displays current speed (MPH/Km/h).
- **Battery Power:** Shows remaining battery charge.
- **PAS Level:** Indicates the current Pedal Assist System level (0-5).
- **Travel Mileage:** Displays trip distance and total odometer reading.



Figure 5.1: The intelligent LCD display of the GOSEN G5, showing various indicators such as speed, battery power, PAS level, and travel mileage. Also depicted are the handlebar controls including front brake, rear brake, 7-speed gears, electric horn, and twist throttle.

5.2 Riding Modes

The GOSEN G5 offers three cycling modes:

1. **Throttle Mode:** Provides power without pedaling, similar to a motorcycle.
2. **Pedal Assist System (PAS) Mode:** The motor assists your pedaling effort. You can adjust the assist level (0-5) for varying levels of support.
3. **Sport Mode (Pedal Only):** Ride the bike like a traditional bicycle without motor assistance.

5.3 Gear Shifting and Braking

- **Shimano 7-Speed Gears:** Use the gear shifter on the handlebar to change gears according to terrain and desired speed. Shift smoothly to avoid strain on the drivetrain.
- **Dual Disc Brakes:** Apply both front and rear brakes simultaneously for effective and safe stopping. Avoid sudden, hard braking, especially at high speeds or on slippery surfaces.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your e-bike.

6.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.

6.2 Tire Maintenance

- Check tire pressure before each ride. Refer to the tire sidewall for recommended PSI.
- Inspect tires for cuts, punctures, or excessive wear.

6.3 Cleaning and Storage

- Clean the bike with a damp cloth and mild soap. Avoid high-pressure washing, especially near electrical components.
- Lubricate the chain regularly.
- Store the bike in a dry, secure location, protected from the elements.

7. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely locked in place. Check connections.
Motor not assisting.	PAS level set to 0, or brake levers are engaged.	Increase PAS level. Release brake levers completely.
Short battery range.	Under-inflated tires, heavy load, frequent use of throttle, or cold weather.	Inflate tires to recommended pressure. Reduce load. Use PAS mode more often. Battery performance decreases in cold weather.
Brakes feel weak.	Brake pads worn or cable tension incorrect.	Inspect brake pads and replace if necessary. Adjust brake cable tension. Consult a professional if unsure.

8. Product Specifications

Detailed technical specifications for the GOSEN G5 Folding Electric Bike.

Feature	Detail
Model	G5
Motor	750W Brushless Motor
Battery	48V 15AH (720Wh) Removable Lithium Battery
Max Speed	40 km/h (25 MPH)
Range (PAS Mode)	Up to 90 KM (60 miles)

Feature	Detail
Tires	20" x 4.0" Fat Tires
Gears	Shimano 7-Speed
Brakes	Dual Disc Brakes
Suspension	Dual (Front Fork & Seat Post)
Frame Material	Aluminum
Folded Dimensions	38.2" x 23.5" x 27.7"
Bike Weight	29.9 kg (66 lbs)
Load Capacity	Up to 330 lbs
Recommended Height	5'3" - 6'5"
Included Components	Horn, Kickstand, Reflectors, Tool Kit

9. Warranty and Support

GOSEN provides comprehensive support for your G5 Electric Bike.

9.1 Warranty Information

A one-year warranty is provided for the motor, battery, LCD display, controller, and charger from the date of purchase. This warranty covers manufacturing defects and material faults under normal use.

9.2 Customer Support

GOSEN offers lifetime service for this bike. If you encounter any problems or have questions regarding your GOSEN G5 Electric Bike, please contact our customer support team. Refer to your purchase documentation for contact details or visit the official GOSEN website.

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