

SISIGAD X6

SISIGAD X6 Electric Bike User Manual

Model: X6

1. INTRODUCTION

Welcome to the SISIGAD X6 Electric Bike user manual. This guide provides essential information for the safe operation, maintenance, and troubleshooting of your new electric bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always wear a helmet that meets safety standards (e.g., CPSC, EN1078) when riding.
- Familiarize yourself with local laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use: check tire pressure, brake function, battery charge, and ensure all fasteners are secure.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions (heavy rain, snow, ice) or on slippery surfaces.
- Maintain a safe speed and distance from other vehicles and pedestrians.
- The bike is UL 2849 certified, indicating compliance with electrical system safety standards.

3. PRODUCT OVERVIEW

The SISIGAD X6 is a robust electric bike designed for versatile riding, featuring a powerful motor and durable construction.

Key Components:

- **Motor:** Peak 1500W motor for strong acceleration and climbing ability.
- **Battery:** 48V 15Ah removable battery, offering extended range.
- **Tires:** 20"x4.0" Fat Tires for enhanced traction and stability on various terrains.
- **Suspension:** Dual suspension system for a comfortable ride over uneven surfaces.
- **Gears:** 7-Speed Shimano derailleur for adaptable riding.
- **Display:** LCD display showing speed, battery level, pedal assist level, and mileage.
- **Lights:** Large LED headlights and bright taillights for visibility.
- **Brakes:** Disc brakes for reliable stopping power.



Figure 3.1: SISIGAD X6 Electric Bike highlighting key features like the removable battery, waterproof rating, and UL 2849 certification.



Figure 3.2: Close-up of the LCD display and handlebar controls, including lighting control, steering light switch, power button, accelerator, disc brake, and Shimano 7-speed gear adjustment.

4. SETUP

4.1 Initial Assembly

Your SISIGAD X6 Electric Bike may require minor assembly upon arrival. Please refer to the separate assembly guide for detailed instructions on attaching the front wheel, handlebars, pedals, and any other components.

4.2 Battery Installation and Charging

1. Ensure the bike is powered off before installing or removing the battery.
2. Insert the 48V 15Ah removable battery into its compartment and lock it securely with the provided key.
3. Connect the charger to the bike's charging port and then to a standard power outlet. The charging indicator light will show the charging status.
4. A full charge typically takes 5-6 hours. Disconnect the charger once fully charged to prolong battery life.



Figure 4.1: The 48V 15Ah removable battery, which is lockable and provides a 5-6 hour charge time.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button on the LCD display to turn the bike on or off.

5.2 Riding Modes

The SISIGAD X6 offers three riding modes:

- **Electric Mode:** Pure electric power, driven solely by the motor.
- **Assisted Mode:** Combines pedal power with motor assistance, ideal for longer rides. Adjust assistance levels (1-5) using the +/- buttons on the display.
- **Ordinary Cycling Mode:** Traditional pedal power without motor assistance.



Figure 5.1: Illustration of the three distinct riding modes available on the SISIGAD X6 Electric Bike.

5.3 Using the Throttle

The twist throttle provides instant acceleration in Electric Mode or can supplement pedal assist. Apply gently and increase as needed.

5.4 Shifting Gears

Use the 7-speed Shimano derailleur to adjust your gear ratio for different terrains and inclines. Shift smoothly to avoid strain on the chain and gears.

5.5 Lights and Display

Activate the large LED headlight and bright taillights using the controls on the handlebar for improved visibility, especially in low-light conditions. The LCD display provides real-time information about your ride.



Figure 5.2: The SISIGAD X6 Electric Bike's large LED headlight and bright taillights, designed to enhance rider safety and visibility.

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Video 5.1: An overview of the SISIGAD X6 Electric Bike, demonstrating its features and suitability for city commuting, off-roading, and mountain riding.

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Video 5.2: Demonstration of the SISIGAD Electric Bike for Adults, highlighting its integration with a mobile application for intelligent control.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your electric bike.

- **Tires:** Check tire pressure before each ride. Ensure tires are free from punctures or excessive wear.
- **Brakes:** Regularly inspect brake pads and discs for wear. Ensure brake levers engage smoothly and provide adequate stopping power. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth gear changes.
- **Battery:** Store the battery in a cool, dry place. Avoid fully discharging the battery for extended periods.

Charge regularly, even if not in use.

- **General Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are tightened to the manufacturer's specifications.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your SISIGAD X6 Electric Bike.

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 power button connection.
Motor not assisting	Pedal assist level is zero, or a brake lever is engaged.	Increase pedal assist level on the display. Ensure brake levers are fully released.
Brakes feel weak	Worn brake pads or misaligned calipers.	Inspect and replace brake pads if worn. Adjust brake calipers for proper alignment.
Unusual noises from drivetrain	Dry or dirty chain, or misaligned derailleur.	Clean and lubricate the chain. Adjust the 7-speed derailleur if necessary.

8. SPECIFICATIONS

Feature	Detail
Model Name	X6
Bike Type	Electric Bike
Motor	Peak 1500W
Battery	48V 15Ah Removable
Charging Time	5-6 Hours
Wheel Size	20 Inches (4.0" Fat Tire)
Number of Speeds	7 (Shimano Derailleur)
Frame Material	Carbon Steel
Suspension Type	Dual
Special Feature	Rechargeable, UL 2849 Certified, IP65 Waterproof
Recommended Height	4'5"-6'3"

Feature	Detail
Bicycle Weight	96.56 LBS
Load Capacity	450 LBS



Figure 8.1: Key dimensions, recommended height, bicycle weight, and load capacity for the SISIGAD X6 Electric Bike.

9. WARRANTY AND SUPPORT

Your SISIGAD X6 Electric Bike comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, parts, or warranty claims, please contact SISIGAD customer service through the retailer where you purchased the product or visit the official SISIGAD website.