

Likebike LANDER S

Likebike LANDER S Electric Bike User Manual

Model: LANDER S

Brand: Likebike

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Likebike LANDER S Electric Bike. Please read this manual thoroughly before your first ride to ensure proper assembly, safe usage, and to maximize the lifespan of your e-bike. Retain this manual for future reference.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. This electric bicycle is UL 2849 certified, indicating compliance with safety standards for electrical systems of e-bikes.

- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery security.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and potential hazards, especially in traffic.
- Ensure all lights are functional for night riding.
- Do not exceed the maximum weight recommendation of 330 pounds (150 kg).
- Avoid riding in extreme weather conditions.

3. PRODUCT OVERVIEW

The Likebike LANDER S is a robust electric bicycle designed for various terrains, featuring a powerful motor, long-range

battery, and comfortable riding experience.



Figure 3.1: Overview of the Likebike LANDER S Electric Bike. This model features a step-through frame, fat tires, and integrated front and rear lights.

Key Features:

- **Powerful Motor:** Equipped with a 500W (Peak 720W) 65N.M High-Torque Brushless Motor, providing ample power for various riding conditions.



Figure 3.2: The 720W peak powerful motor and Shimano 7-speed gears, capable of reaching a max speed of 32 km/h (20 MPH) with 65 N.M max torque.

- **Removable Battery:** Features a UL2849 certified 48V 13AH 624Wh high-performance removable Li-ion battery for convenient charging and extended range.
- **All-Terrain Fat Tires:** 26" x 4.0" fat tires increase contact area for smooth and stable riding on mountain roads, snow, sand, and city streets.
- **Dual Shock Absorber:** Front suspension fork reduces bumps for a more comfortable ride.
- **LCD Display:** A color LCD display shows real-time speed, battery power, pedal assist levels, mileage and more.
- **Safety Features:** Bright headlight, taillight, and horn for enhanced visibility and safety during night riding.
- **7-Speed Gears:** Adjustable 7-speed gears for flexible maneuverability and comfortable climbing.
- **Dual Disc Brakes:** 180mm front and rear disc brakes for reliable stopping power.



Figure 3.3: Key components of the Likebike LANDER S. (A) Four-lamp bead headlight, (B) 180mm dual disc brake, (C) Rear rack, (D) Adjustable seat, (E) Taillight, (F) Full cover fenders.

4. SETUP AND ASSEMBLY

Your Likebike LANDER S arrives approximately 85% pre-assembled. The remaining assembly steps are straightforward and typically include attaching the front wheel, handlebars, pedals, and seat. An installation tool set is included in the package.

Included Components:

- 1 x Electric Bike (main frame and pre-assembled parts)
- 1 x Li-ion Battery
- 1 x Battery Charger
- 1 x Installation Tool Set
- 1 x User Manual (this document)

Assembly Steps (General Guidance):

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Front Wheel Installation:** Attach the front wheel to the fork, ensuring the disc brake rotor is correctly aligned with the caliper. Secure with the quick-release skewer or axle nuts.

3. **Handlebar Installation:** Insert the handlebar stem into the fork steerer tube or attach the handlebar to the stem, ensuring proper alignment and tightening all bolts securely.
4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms (left pedal is reverse threaded). Tighten firmly with a wrench.
5. **Seat Post Installation:** Insert the seat post into the frame's seat tube. Adjust the seat height for comfortable riding and secure with the quick-release clamp.
6. **Battery Installation:** Insert the fully charged battery into its designated compartment on the frame. Ensure it clicks securely into place and lock it with the provided key.
7. **Pre-Ride Check:** Before your first ride, double-check all bolts and quick releases for tightness. Verify brake functionality and tire pressure.

5. OPERATING YOUR ELECTRIC BIKE

5.1 Battery Operation and Charging

The 48V 13AH (624WH) Li-ion battery provides power to the motor and display. It is removable for convenient charging.



Figure 5.1: High-performance removable battery. The battery is UL Listed and features short-circuit, overcurrent, overvoltage, overdischarge, overcharge, and temperature protection. Charging time is typically 5-7 hours.

- **Charging:** Connect the charger to the battery charging port (either on or off the bike) and then to a standard power outlet. The charger indicator light will change when fully charged.
- **Battery Removal:** Use the provided key to unlock the battery and carefully slide it out of its compartment.
- **Battery Installation:** Slide the battery back into the compartment until it clicks into place. Lock it with the key.

5.2 Riding Modes

Your Likebike LANDER S offers multiple riding modes to suit different preferences and terrains.



Figure 5.2: The Likebike LANDER S offers four primary riding modes plus 5 Pedal Assist System (PAS) levels, adaptable to various terrains.

- **Pure Electric Mode:** Control speed solely via the throttle. No pedaling required.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. There are 5 levels of pedal assist, allowing you to choose the amount of power assistance.
- **Classic Bike Mode:** Ride the bike like a traditional bicycle with no motor assistance.
- **Cruise Mode:** Engage cruise control with a button press to maintain a constant speed without throttle input.
- **Walking Mode:** Provides a small amount of motor assistance to help propel the e-bike forward when walking alongside it.

5.3 LCD Display and Controls

The color LCD display provides real-time riding data and allows control over various functions.



Figure 5.3: The color LCD display shows battery indicator, speed value, PAS level, cruise indication, trip mileage, single mileage, total mileage, maximum speed, and average speed. Backlight brightness is adjustable for night visibility. Also shown are the brake lever, horn, control switch, throttle, and Shimano 7-speed shifter.

- **Power On/Off:** Press and hold the power button on the display to turn the bike on or off.
- **PAS Level Adjustment:** Use the '+' and '-' buttons to cycle through the 5 pedal assist levels.
- **Information Display:** The display shows current speed, battery level, odometer, trip distance, and more. Refer to the display's specific manual for detailed navigation.
- **Headlight/Taillight:** Use the dedicated switch on the handlebars to turn the lights on or off.
- **Horn:** Press the horn button to activate the horn.
- **Throttle:** Twist the throttle grip to engage pure electric mode.
- **Gear Shifter:** Use the Shimano 7-speed shifter to change gears for different riding conditions.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Likebike LANDER S. If you are unsure about any maintenance procedure, consult a professional bike mechanic.

- **Tires:** Regularly check tire pressure (refer to tire sidewall for recommended PSI) and inspect for wear or damage. The 26" x 4.0" fat tires are designed for durability.
- **Brakes:** Inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.
- **Bolts and Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness. Loose components can lead to unsafe riding conditions.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery frequently. Charge it regularly, even if not in use, to maintain battery health.
- **Cleaning:** Clean your e-bike with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components.
- **Suspension:** The front suspension fork can be locked out for more efficient riding on smooth surfaces or unlocked for absorbing bumps on rough terrain. Refer to Figure 6.1 for visual guidance.



Figure 6.1: The 26" fat tire and front shock absorber. The shock absorber features a lockout function for adapting to various terrains like sand, mountain, snow, and city roads, reducing bumps for a comfortable ride.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Likebike LANDER S. For problems not listed here or if solutions do not resolve the issue, please contact customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged or not properly installed. Loose electrical connection.	Ensure battery is fully charged and securely seated. Check all visible cable connections.
Motor not assisting.	PAS level set to 0. Brake levers engaged. Throttle issue.	Increase PAS level on the display. Ensure brake levers are fully released. Check throttle connection.
Short battery range.	Low tire pressure. Frequent use of high PAS levels or pure electric mode. Battery degradation.	Inflate tires to recommended pressure. Use lower PAS levels or pedal more. Contact support if battery performance significantly degrades.
Brakes feel weak.	Worn brake pads. Loose brake cable. Air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. Consult a bike mechanic for hydraulic brake issues.

8. SPECIFICATIONS

Detailed technical specifications for the Likebike LANDER S Electric Bike.



Figure 8.1: Dimensions of the Likebike LANDER S Electric Bike. Total length: 78.3in (199cm), Handlebar to ground height: 44.9in (114cm), Seat to ground height: 31.5in (80cm), Seat height adjustable: 33.9-41.3in (86-105cm), Top tube length: 20.5in (52cm), Stand height: 18.9in (48cm), Wheelbase: 47in (119cm). Bike weight: 79 lbs (36 kg). Recommended rider height: 5.6-6.6 ft (171cm-201cm). Max load: 330 lbs (150 kg).

Feature	Specification
Bike Type	Electric Bike
Model Name	LANDER S
Brand	Likebike
Motor	500W (Peak 720W) 65N.M High-Torque Brushless Motor
Battery	48V 13AH (624Wh) Removable Li-ion, UL2849 Certified
Max Speed	Up to 20 MPH (32 km/h)
Range (Electricity-only 5-speed)	Approx. 29 miles (47 km)
Range (Electricity-only 3-speed)	Approx. 42 miles (68 km)
Range (Power-assisted 3-speed)	Approx. 45 miles (72 km)
Wheel Size	26 Inches (4.0" Fat Tires)
Frame Material	Carbon Steel (Step-Through Design)
Suspension Type	Front (Lockable Fork)

Feature	Specification
Brake Style	Disc (180mm Front & Rear)
Number of Speeds	7 (Shimano Gears)
Maximum Weight Recommendation	330 Pounds (150 kg)
Bike Weight	79 Pounds (36 kg)
Dimensions (LxWxH)	66 x 12 x 33 inches (approximate packaged)
Included Components	Electric Bike, Li-ion Battery, Battery Charger, Installation Tool Set, Manual

9. WARRANTY AND CUSTOMER SUPPORT

Likebike is committed to providing excellent product quality and customer service.

Warranty Information:

Your Likebike LANDER S Electric Bike comes with a **one-year warranty** covering the electric motor, battery, and charger. This warranty covers manufacturing defects and material flaws under normal use.

Customer Service:

For any questions, concerns, or assistance with your e-bike, please do not hesitate to contact Likebike customer service. We provide 24-hour support through Amazon or our official after-sales service channels. We are dedicated to resolving any product issues you may encounter.

Please have your product model (LANDER S) and purchase details ready when contacting support to facilitate a quicker resolution.