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Model: Alaska Pro 2025 | Brand: FREESKY

INTRODUCTION

Welcome to the world of advanced electric biking with your new FREESKY Alaska Pro 2025. This dual-battery electric bike is engineered for adults seeking powerful performance, extended range, and superior comfort across various terrains. Featuring a peak 2500W motor, dual 48V 41Ah batteries for up to 160 miles of range, 26" fat tires, full suspension, and dual hydraulic brakes, the Alaska Pro 2025 is designed to deliver an unparalleled riding experience. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure you get the most out of your e-bike.

PRODUCT OVERVIEW

The FREESKY Alaska Pro 2025 is built with a high-quality 6061 aluminum alloy frame, ensuring durability and stability. Its advanced features include:

- **Dual Removable Batteries:** 48V 41Ah (18Ah + 23Ah) for extended range of 90-160+ miles.
- **Powerful Motor:** Peak 2500W brushless motor with 130Nm torque, reaching speeds up to 38MPH (pedal assist).
- **Full Suspension System:** Lockable hydraulic front fork and rear shock for a smooth ride on any terrain.
- **Dual Hydraulic Disc Brakes:** 4-piston hydraulic brakes for reliable stopping power in all conditions.
- **26"x4" Fat Tires:** All-terrain tires for superior grip on sand, snow, mud, and city streets.
- **Advanced LCD Display:** Provides real-time metrics, adjustable parameters, and trip tracking.
- **800-lumen LED Headlight:** For safe night riding.
- **IP65 Waterproof Rating:** Allows riding in various weather conditions.



Figure 1: The FREESKY Alaska Pro 2025 Electric Bike, showcasing its robust design and fat tires.

SETUP GUIDE

Your FREESKY Alaska Pro 2025 is 85% pre-assembled. Follow these steps to complete the assembly.

1. Unboxing and Initial Inspection

Carefully open the packaging and remove all components. Inspect for any damage during transit. Ensure all parts listed in the manual and tools section are present.

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Video 1: "How to Install" - This video provides a comprehensive guide to unboxing and assembling your FREESKY Alaska Pro 2025 electric bike.



Figure 2: Components of the FREESKY Alaska Pro 2025 electric bike as they appear upon unboxing, including the main frame, wheels, and accessories.

2. Handlebar Installation and Positioning

Attach the handlebar to the stem. Ensure the handlebar is centered and the brake levers and shifters are in a comfortable position for riding. Tighten the bolts securely using the provided hex wrench.

120%
Efficiency Provided
by Over Size Motor

VECTOR BRUSHLESS MOTOR
Ultra high torque & Ultra-low energy consumption & Long distance riding & Easy Climbing

38 MPH
Max Speed

130 NM
Max Speed

Over Heat
Protection

40 CLIMBING
Capacity

Figure 3: Detailed view of the handlebar and stem assembly, showing the process of securing the handlebar to the bike's frame.

3. Front Wheel Installation

Install the front wheel into the fork. Make sure the brake rotor aligns correctly with the caliper. Secure the wheel using the quick release lever.

DUAL SUSPENSION SYSTEM & DUAL HYDRAULIC DISC BRAKES

Ready for all terrains and providing a comfort riding



Figure 4: Illustration of the front wheel installation, highlighting the alignment of the disc brake rotor within the caliper.

4. Install Front Lights & Fenders

Attach the front LED headlight and fenders to the designated mounting points on the fork. Ensure they are securely fastened and the light is properly aimed.

50% Efficiency:
40% Comforts:
40% Stopping Power:
50% Long Range:
30% Durability:

1200W Motor	VS	Others
Full Suspension System	VS	Others
4-Pistons Dual Hydraulic Disc Brakes	VS	Others
41AH Dual Battery System	VS	Others
Beefy Aluminum Alloy	VS	Others

WHY CHOOSE FREESKY ALASKA PRO EBIKE ?

- High Efficiency
- Quick Response
- 180MM Rotor

Figure 5: Close-up of the front light and fender installation, showing the secure attachment to the bike's front fork.

5. Adjust the Saddle Scale

Adjust the saddle height to a comfortable riding position. Ensure the seat post is inserted past the minimum insertion line. Tighten the seat clamp securely.

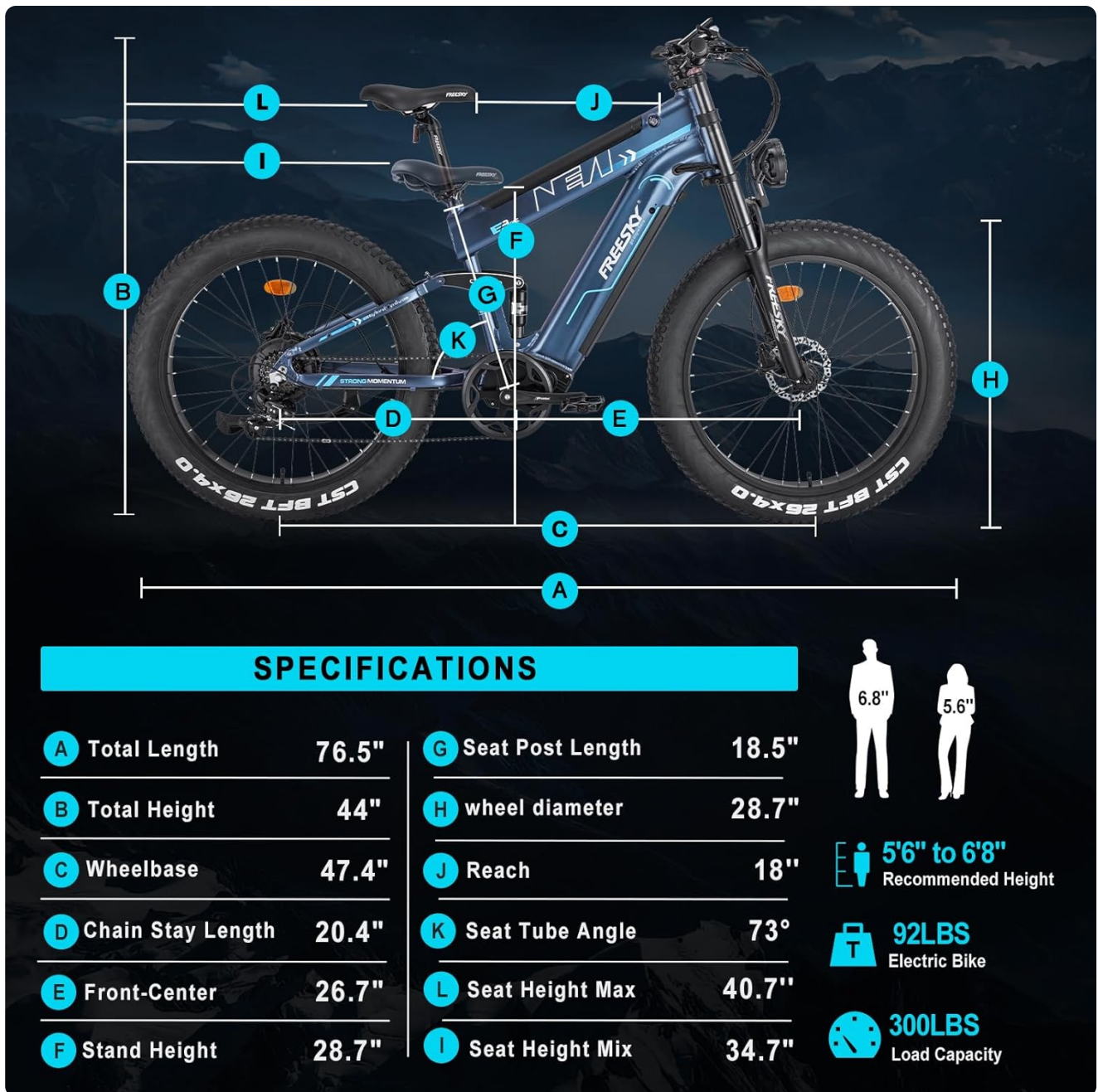


Figure 6: Demonstrating the proper adjustment of the saddle height for optimal riding comfort and safety.

6. Pedal Installation

Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms, ensuring they are tightened securely with the appropriate wrench. Note that the left pedal has a reverse thread.



Figure 7: Step-by-step guide for installing the pedals, emphasizing the left and right pedal distinction and proper tightening.

OPERATING INSTRUCTIONS

1. Powering On/Off

To power on the bike, press and hold the power button on the LCD display. To power off, press and hold the same button until the display turns off.

2. LCD Intelligent Display

The advanced LCD display provides crucial riding information. It shows speed, battery level, mileage, speed level (PAS), and allows for adjustable parameters. An NFC system ensures clear and safe operation.

FREESKY UPGRADE LCD DISPLAY

Up To Date NFC System Clear And Safe



Figure 8: Close-up of the FREESKY upgraded LCD display, showing various metrics like speed, mileage, battery indicator, and speed level.

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Video 2: "ALaska Electric Bike" - A short preview showcasing the bike's features and performance, including the LCD display.

3. Riding Modes and Speed Control

The Alaska Pro 2025 offers 5 riding modes:

- **Electric Mode:** Full throttle, no pedaling required (up to 20MPH).
- **Pedal-assist Mode (PAS):** Motor provides assistance as you pedal (up to 38MPH). Levels 1-5 adjust assistance.
- **Cruise Mode:** Maintains a set speed without continuous throttle or pedaling.
- **Manual Mode:** Ride like a traditional bicycle without motor assistance.
- **Walk Mode:** Provides low-speed assistance for walking the bike.

Use the throttle for electric-only propulsion or engage pedal assist for a boosted ride. The SHIMANO 7-speed shift gear allows for easy adaptation to different terrains and inclines.

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Video 3: "Alaska Dual Battery Ebike" - This video highlights the dual battery system and various riding capabilities of the e-bike.

4. Braking System

The bike is equipped with 4-piston dual hydraulic disc brakes (front and rear) for superior stopping power and safety, especially on steep hills or rough trails, and in wet conditions.



Figure 9: Visual representation of the dual suspension system and dual hydraulic disc brakes, emphasizing comfort and safety features.

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Video 4: "Freesky Ebike Alaska Pro" - A dynamic preview highlighting the bike's performance and features, including its robust braking system.

5. Battery Management

The Alaska Pro 2025 features dual removable batteries (18Ah + 23Ah) for a total of 41Ah, providing an impressive range. Charge time is typically 6-7 hours. Always use the provided 3A fast charger.

90-160⁺ MILES
EXTRA LONG RANGE

DUAL ULTRA 41AH
INTERNAL BATTERIES 48V

- Support For Single Battery Using
- Increase Battery Life To 30%
- Dual Protection & Removeable
- BMS System UL certification

Figure 10: Visual of the dual battery system, emphasizing the extended range capability of the FREESKY Alaska Pro 2025.

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Video 5: "Freesky Alaska Dual Battery Long Range Ebike" - A detailed video showcasing the long-range capabilities and dual battery system.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your e-bike.

- **General Cleaning:** Regularly clean your bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tire Pressure:** Maintain recommended tire pressure for the 26"x4" fat tires to ensure optimal performance and safety. Refer to the tire sidewall for specific pressure ranges.
- **Brake Inspection:** Periodically check brake pads for wear and ensure hydraulic brakes are functioning correctly. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.

- **Suspension Check:** Inspect the front hydraulic fork and rear shock for proper function and adjust damping as per your riding preference and terrain.
- **Battery Care:** Store batteries in a cool, dry place. Avoid fully discharging them for extended periods. Charge regularly, even when not in use, to prolong battery life.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Bike not powering on	Low battery, loose battery connection, faulty display.	Charge batteries, check battery seating, contact support.
Motor not assisting	PAS level too low, brake lever engaged, motor connection issue.	Increase PAS level, ensure brakes are disengaged, check motor cables.
Brakes feel spongy	Air in hydraulic lines, worn brake pads.	Bleed brakes (professional recommended), replace brake pads.
Short battery range	Improper charging, old battery, riding conditions (hills, heavy load).	Ensure full charge, consider battery replacement, adjust riding style.

SPECIFICATIONS

Feature	Detail
Bike Type	Electric Bike
Age Range	Adult
Brand	FREESKY
Model Name	Alaska Pro 2025
Number of Speeds	7 (SHIMANO)
Color	Black
Wheel Size	26 Inches
Frame Material	6061 Aluminum Alloy
Suspension Type	Dual (Front Hydraulic Fork & Rear Shock)
Brake Style	4-Piston Dual Hydraulic Disc Brakes
Motor Power	Peak 2500W Brushless Motor
Battery Capacity	48V 41Ah (18Ah + 23Ah) / 1968 Watt Hours
Max Speed (Pedal Assist)	38 MPH
Max Speed (Throttle)	20 MPH
Range	90-160+ Miles per charge
Max Load Capacity	300 Pounds
Waterproof Rating	IP65

WARRANTY AND SUPPORT

FREESKY provides a professional warranty on every electric bike. The Alaska Pro 2025 comes with a **12-month limited warranty on parts** and a **lifetime warranty on the frame**.

For detailed warranty policy information, please refer to the FREESKY website or contact FREESKY customer support directly. For any technical assistance, troubleshooting, or parts inquiries, please reach out to the manufacturer's support team.

Manufacturer: FREESKY

For support, visit the [FREESKY Store on Amazon](#) or their official website.