FREESKY FREESKY Alaska Pro Max (B0F6TB2K1R)

FREESKY Upgraded 2025 Dual Battery Electric Bike

Model: Alaska Pro Max (B0F6TB2K1R)
Brand: FREESKY

1. Introduction

Thank you for choosing the FREESKY Upgraded 2025 Dual Battery Electric Bike. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

This electric bike is designed for adults, featuring a powerful 2500W peak motor, dual 48V 41Ah removable batteries for extended range, full suspension, and dual hydraulic brakes, making it suitable for various terrains including snow, beach, mountain, and city roads.



Image: The FREESKY electric bike, showcasing its robust frame, fat tires, and rear rack. This model is equipped with dual batteries and full suspension, designed for versatile riding conditions.

2. Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations regarding electric bicycles.

- **Pre-Ride Check:** Before each ride, inspect tires for proper inflation and damage, check brake functionality, ensure all bolts and quick releases are tightened, and verify battery charge level.
- **Braking:** The bike is equipped with dual hydraulic disc brakes. Practice braking in a safe area to understand their responsiveness. Always use both brakes simultaneously for effective stopping.
- **Visibility:** Utilize the 800LM LED headlight and rear safety lights, especially during nighttime rides or in low-light conditions. Consider wearing reflective clothing.
- **Weight Limit:** Do not exceed the maximum load capacity of 300 lbs (136 kg).
- **Water Exposure:** While the bike has IP65 waterproof protection, avoid submerging the bike or exposing electrical components to heavy water streams.



Image: An illustration highlighting the bike's 'Night Armor System', detailing the 800LM LED headlight, dual-back safety lights with turn and brake sync, and 4-piston hydraulic calipers for enhanced safety and visibility.

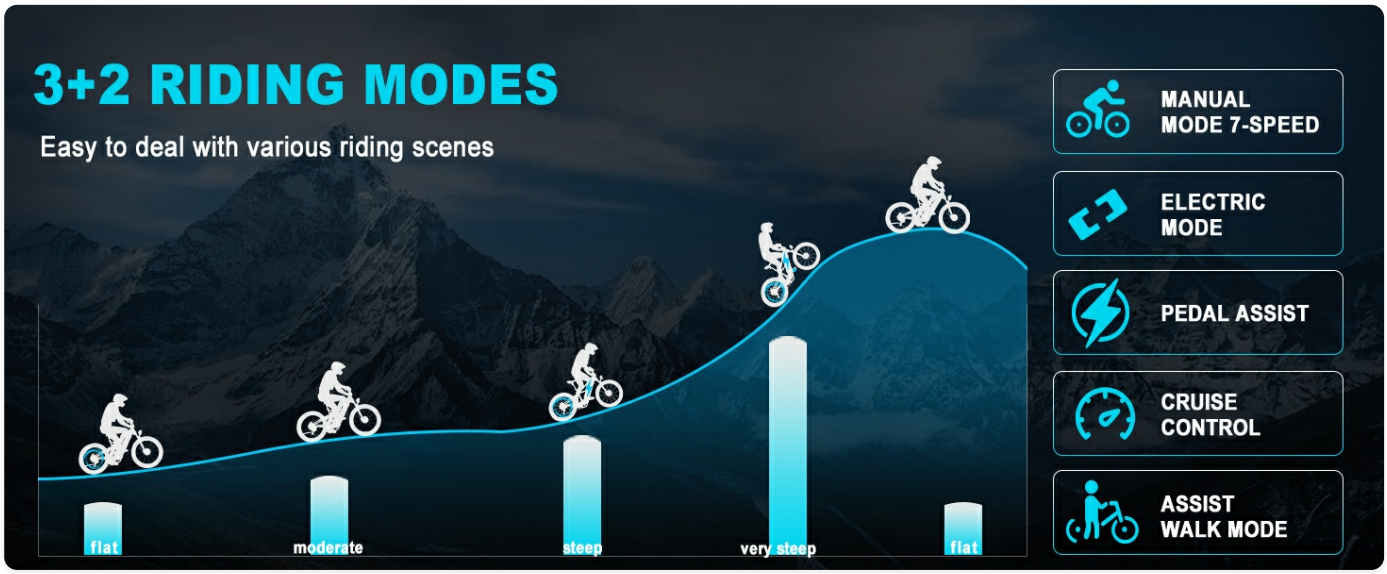


Image: A visual representation of the bike's safety features, including the integrated safety light system, a bright 800LM LED front light for illumination, and larger reflectors on the wheels for increased nighttime visibility.

3. Product Overview

Key Features

- **Dual Removable Batteries:** Two batteries (18Ah and 23Ah) provide a combined 41Ah capacity, offering an extended range of 90-160+ miles per charge.
- **Powerful Motor:** Equipped with a 2500W peak brushless rear hub motor, delivering 130 N·M of climbing power and a top speed of 38+ MPH (pedal assist) or 20 MPH (throttle).
- **Full Suspension System:** Features a lockable and adjustable front hydraulic downhill fork and rear suspension for superior shock absorption on varied terrains.
- **Dual Hydraulic Disc Brakes:** Front and rear 4-piston hydraulic disc brakes with 180mm large discs ensure powerful and reliable stopping performance in all conditions.
- **Durable Frame:** Constructed from high-quality 6061 aluminum alloy for enhanced sturdiness and durability.
- **SHIMANO 7-Speed Gear:** Professional Shimano 7-speed shift gear system for smooth and efficient riding.
- **Advanced LCD Display:** Provides real-time metrics, adjustable parameters, and trip-tracking options.
- **Fat Tires:** Non-slippery 26"x4.0" fat tires designed to conquer diverse terrains.

Components



Image: The electric bike highlighting its dual battery system (48V 41Ah) which provides an extended range. The image also shows the TÜV SÜD certification for battery safety.

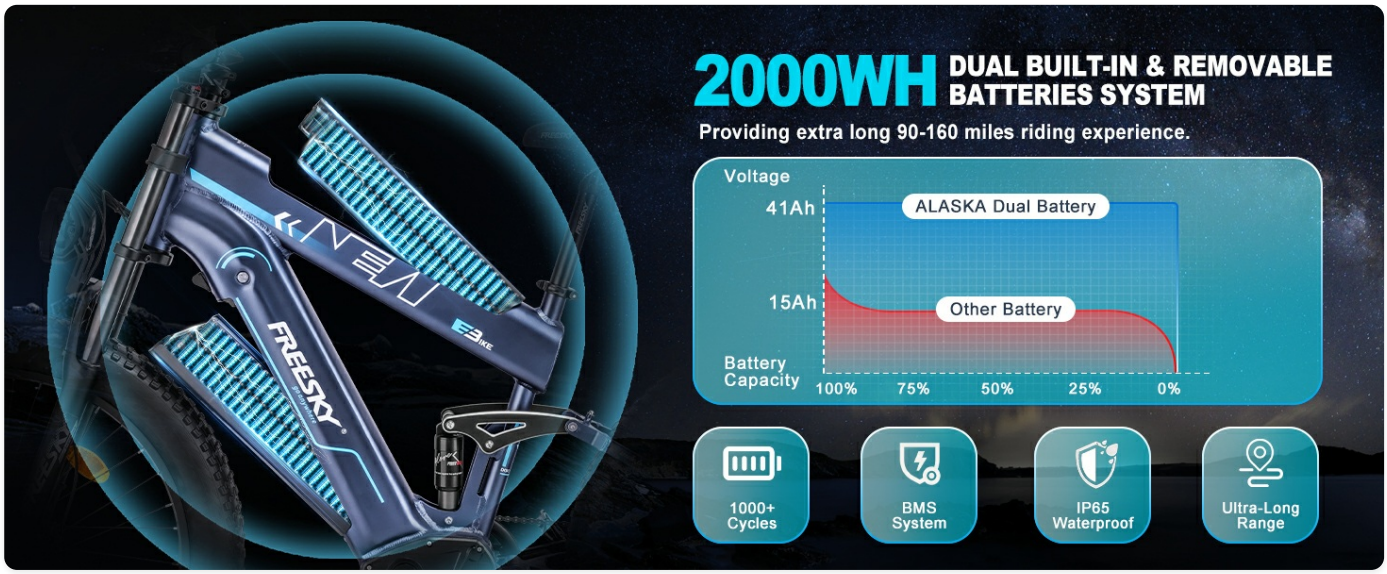


Image: A detailed diagram illustrating the bike's 2000WH dual built-in and removable battery system, emphasizing its capacity for extended riding range and the integrated Battery Management System (BMS).



Image: A rider on the FREESKY electric bike, with graphics highlighting the Peak 2500W Hyper Torque Brushless System, 38 MPH top speed, 130 N·M instant torque, and 40-degree hill climbing capability.

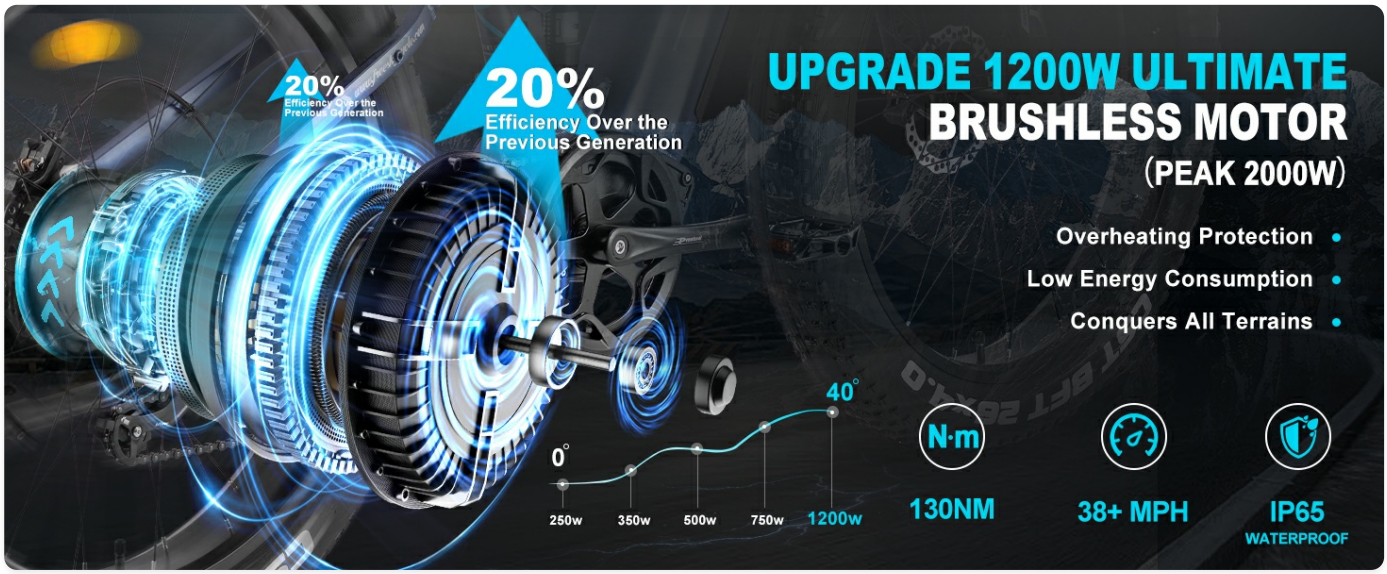


Image: An exploded view diagram of the 1200W ultimate brushless motor, detailing its internal components and highlighting features such as overheating protection, low energy consumption, and its ability to conquer all terrains.



Image: A rider on the FREESKY electric bike, with emphasis on the full suspension system that absorbs bumps, featuring a Next-Gen 6061 Aluminum rear triangle frame and highlighting 85% bumpiness reduction.

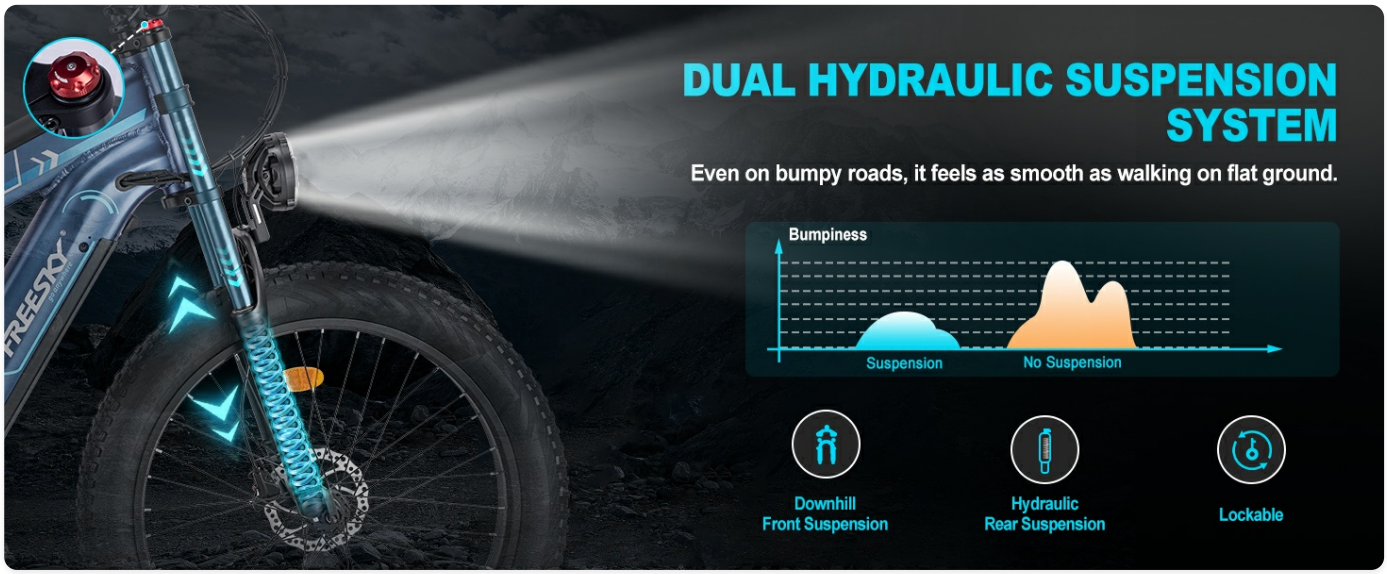


Image: A visual explanation of the dual hydraulic suspension system, showing the front downhill suspension and hydraulic rear suspension, designed to provide a smooth ride even on bumpy roads.

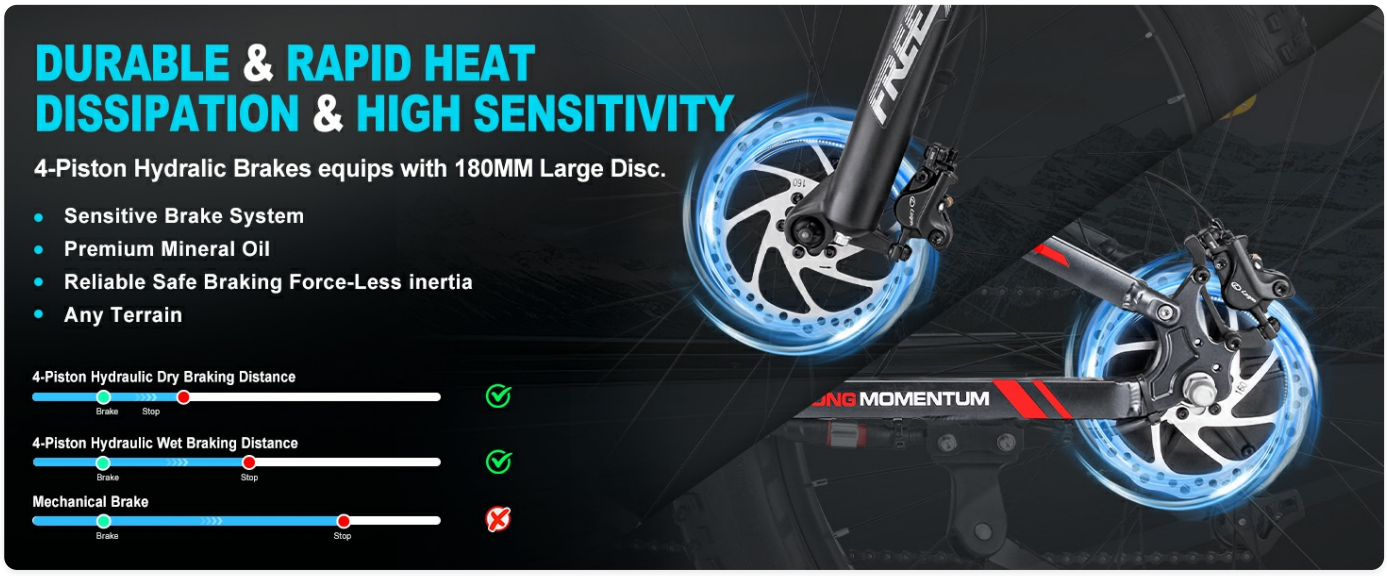


Image: A detailed view of the 4-piston hydraulic brakes with 180mm large discs, emphasizing their durability, rapid heat dissipation, and high sensitivity. A comparison chart shows superior braking distances compared to mechanical brakes.



Image: A close-up view of the stable Shimano 7-speed gear system, highlighting the smooth shifting, exquisite craftsmanship, high

transmission efficiency, and stable output. The thumb throttle is also visible.

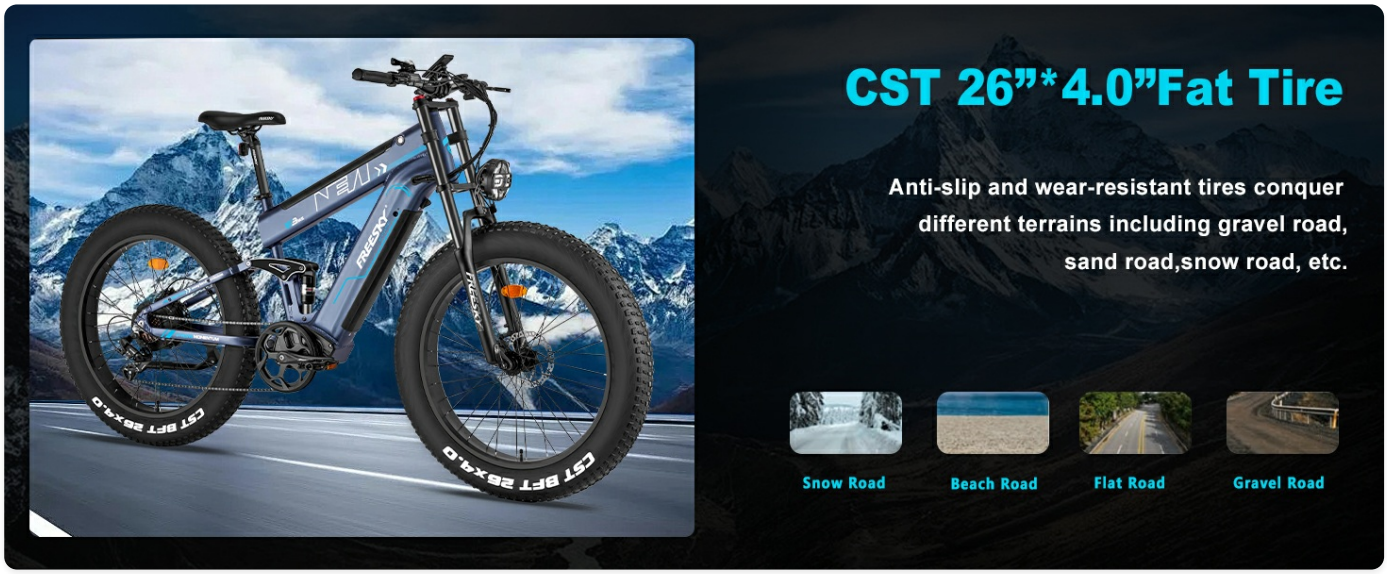


Image: The CST 26"x4.0" fat tire on the electric bike, illustrating its anti-slip and wear-resistant properties, making it suitable for snow roads, beach roads, flat roads, and gravel roads.

4. Setup

Your FREESKY electric bike comes 85% pre-assembled, significantly reducing the setup time. You will primarily need to assemble the main parts such as the front wheel, handlebars, pedals, and seat.

Assembly Steps:

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Front Wheel Installation:** Attach the front wheel to the fork, ensuring the disc brake rotor aligns correctly with the caliper. Secure with the quick-release skewer or axle nuts.
3. **Handlebar Attachment:** Mount the handlebars 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 and Saddle:** Insert the seat post into the frame's seat tube and adjust to a comfortable riding height. Secure with the quick-release lever.
6. **Battery Installation:** Ensure both removable batteries are securely seated in their compartments.
7. **Initial Charge:** Fully charge both batteries before your first ride. Refer to the 'Battery Charging' section for details.

For a visual guide, an assembly video is typically available on the product page where you purchased the bike. Please refer to it for detailed instructions.

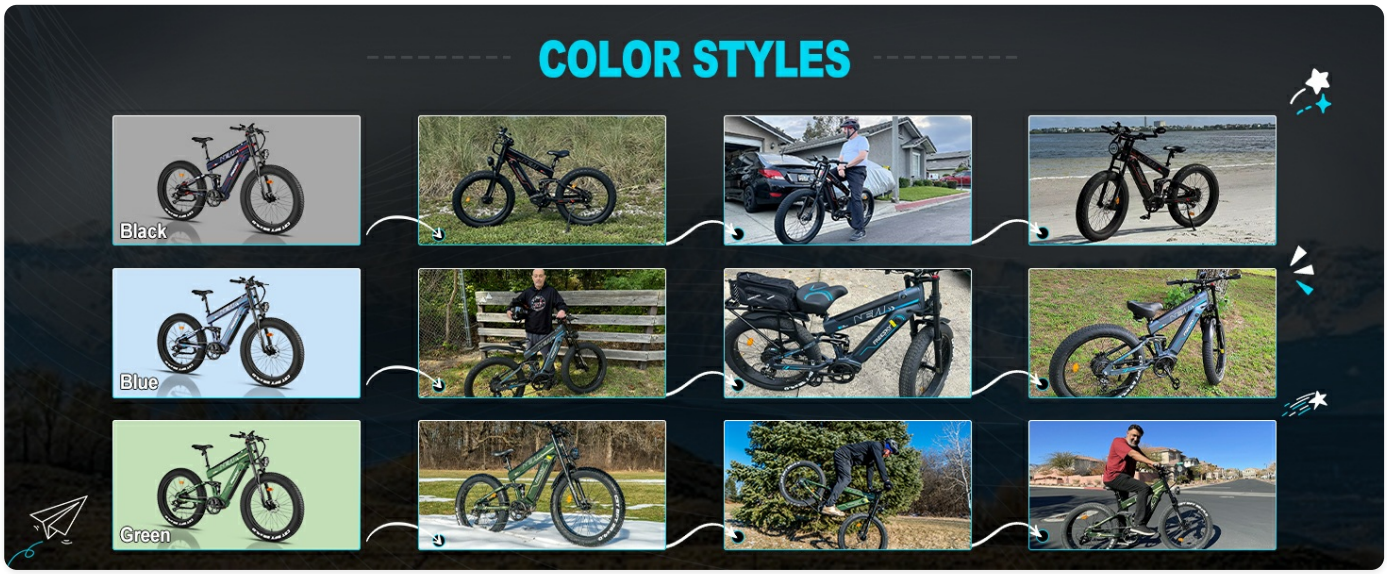


Image: A graphic demonstrating the easy disassembly of the dual anti-collision batteries for charging, showing the batteries removed from the bike and connected to a charger, indicating a 6-hour full charge time.

5. Operating Instructions

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 power button again until the display turns off.

Riding Modes

Your FREESKY electric bike offers 5 distinct riding modes to suit various preferences and terrains:

- **Manual Mode (7-Speed):** Ride like a traditional bicycle using the Shimano 7-speed gears without electric assistance.
- **Electric Mode (Throttle):** Engage the throttle for pure electric power, reaching speeds up to 20 MPH without pedaling.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. There are 5 levels of pedal assist (PAS 1-5), allowing you to control the amount of power assistance.
- **Cruise Mode:** Maintain a constant speed without continuous throttle input.
- **Walk Mode:** Provides low-speed assistance (approx. 3-4 MPH) to help you push the bike when walking alongside it.



Image: A graphic depicting the five riding modes: Manual Mode (7-speed), Electric Mode, Pedal Assist, Cruise Control, and Assist Walk Mode, showing how they adapt to different terrains from flat to very steep.

LCD Display Usage

The intelligent LCD display provides real-time information and allows you to adjust settings.

- **Information Displayed:** Speed (current, max, avg), distance (trip, odometer), battery level, pedal assist level, error codes.
- **Adjusting PAS Levels:** Use the '+' and '-' buttons on the control panel to cycle through pedal assist levels.
- **Unlocking Extra Speed:** Hold the right turn button after power-on to unlock extra speed (pedal assist limit override).



Image: The LCD Color Digital Display of the electric bike, showing metrics like distance, display speed, battery level, and smart keys. A quick tip for unlocking extra speed is also provided.



Image: A comprehensive view of the bike's handlebar controls, including the USB port, horn, left and right brake levers, thumb throttle, and the HD LCD display with NFC system and error code prompts.

6. Maintenance

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

Battery Care:

- Charge batteries fully after each ride, especially if storing for extended periods.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid completely draining the batteries to prolong their lifespan.
- Use only the original charger provided with the bike.

Tires:

- Check tire pressure before each ride. Recommended pressure is usually indicated on the tire sidewall.
- Inspect tires for wear, punctures, or damage regularly.

Brakes:

- Regularly check brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. If they feel spongy, the hydraulic system may need bleeding by a professional.

General Care:

- Keep the bike clean. Use a damp cloth to wipe down the frame and components. Avoid high-pressure washing directly on electrical parts.
- Lubricate the chain regularly, especially after riding in wet or dusty conditions.
- Periodically check all bolts and fasteners for tightness.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Bike does not power on	Battery not installed correctly; Battery discharged; Power button not pressed long enough; Loose electrical connection.	Ensure batteries are fully inserted and locked; Charge batteries; Press and hold power button for 3-5 seconds; Check all visible cable connections.
Motor not assisting	PAS level too low or off; Brake levers engaged; Motor cable disconnected; Error code on display.	Increase PAS level; Release brake levers; Check motor cable connection; Refer to display manual for error code meaning.
Brakes feel weak or spongy	Worn brake pads; Air in hydraulic lines; Low brake fluid.	Replace brake pads; Have hydraulic system bled by a professional; Check fluid level.
Unusual noises during riding	Loose components; Dry chain; Brake rub; Derailleur misalignment.	Inspect and tighten all bolts; Lubricate chain; Adjust brake caliper; Adjust derailleur.

If you encounter an issue not listed here or require further assistance, please contact FREESKY customer support.

The LCD display can show error codes. Consult the specific display manual for a complete list of codes and their corresponding troubleshooting steps.

8. Specifications

Below are the key specifications for your FREESKY electric bike:



Image: A diagram illustrating the key dimensions of the electric bike, including total length, total height, wheelbase, seat height, and standover height. Recommended rider height (5'4" to 6'8"), bike weight (98 lbs), and load capacity (300 lbs) are also shown.



Image: A detailed specification chart comparing the Original Alaska model with the Alaska Pro Max, highlighting upgrades in motor power (1200W), battery capacity (48V/35Ah), controller, tube design, and display (NFC System HD Display).

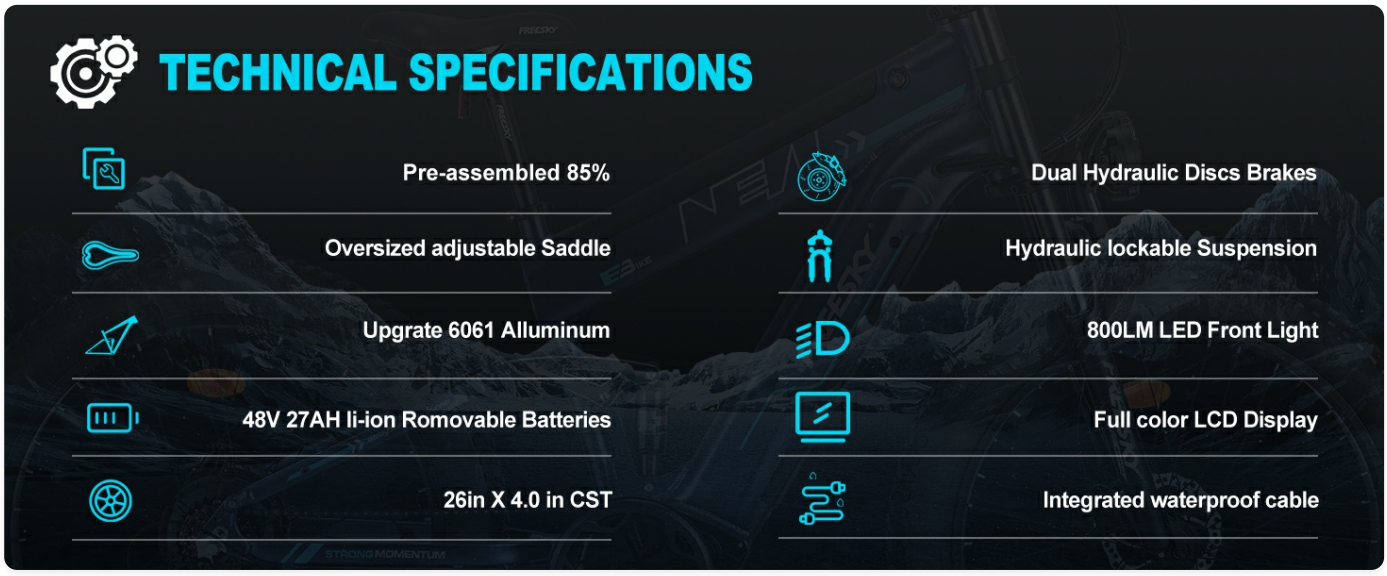


Image: A list of technical specifications including 85% pre-assembly, oversized adjustable saddle, upgraded 6061 aluminum frame, 48V 27Ah Li-ion removable batteries, 26in x 4.0in CST tires, dual hydraulic disc brakes, hydraulic lockable suspension, 800LM LED front light, full color LCD display, and integrated waterproof cable.

Feature	Specification
Bike Type	Electric Bike
Age Range	Adult
Motor Peak Power	2500W
Battery Capacity	48V 41Ah (18Ah + 23Ah dual removable)
Max Speed (Pedal Assist)	38+ MPH (61+ KMH)
Max Speed (Throttle)	20 MPH (32 KMH)
Range	90-160+ miles (145-257+ km)
Frame Material	6061 Aluminum Alloy

Feature	Specification
Suspension	Dual (Front Hydraulic Downhill Fork, Rear Suspension)
Brakes	Dual Hydraulic Disc Brakes (4-Piston)
Wheel Size	26 Inches (26"x4.0" Fat Tires)
Number of Speeds	7 (SHIMANO)
Headlight	800LM LED
Display	LCD Intelligent Display
Max Load Capacity	300 lbs (136 kg)
Waterproof Rating	IP65

9. Warranty and Support

FREESKY is committed to providing high-quality products and customer service.

Warranty Policy:

- **Batteries and Motor:** 18 Months Warranty.
- **Other Main Replaceable Parts:** One-year warranty.

For detailed warranty terms and conditions, please refer to the official FREESKY E-BIKE website or contact customer service.

Customer Support:

If you have any questions, concerns, or require technical assistance, please do not hesitate to contact FREESKY customer service. Our team is dedicated to offering high-quality support.

Please ensure you purchase FREESKY products only from authorized sellers to ensure warranty validity and genuine products. The official stores are FRIEES STORE, FreeskyE-BIKE, and Jiahuaebike.



Image: An important statement from FREESKY advising customers to identify and purchase from only three official stores: FRIEES Store, FreeskyE-BIKE, and Jiahuaebike, to avoid unauthorized sellers and ensure product authenticity and warranty.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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