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› FREESKY 1200W Electric Bike for Adults - User Manual

FREESKY ROCKY PRO (A320)

FREESKY 1200W Electric Bike for Adults - User Manual

Model: ROCKY PRO (A320)

Brand: FREESKY

1. INTRODUCTION

Welcome to the FREESKY 1200W Electric Bike user manual. This guide provides essential information for the safe operation, maintenance, and optimal performance of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference.



Image: The FREESKY 1200W Electric Bike, showcasing its robust design and integrated rear cargo rack.

Key Features:

- **Extended Range Battery:** Equipped with a removable 48V 20Ah Samsung Cell battery, offering a maximum range of up to 144 kilometers on a single charge.
- **Powerful Motor:** Features a 750W continuous (peak 1200W) brushless motor with 100NM torque, capable of speeds up to 52 KM/H (pedal assist) and 33 KM/H (throttle).
- **Smart LCD Display:** Upgraded HD colorful display monitors battery power, voltage, mileage, speed, and riding mode. Includes a Type-C charging port for mobile devices.
- **Enhanced Safety Lighting:** 800 lumens front light and a brake warning tail light ensure visibility and safety during rides.
- **Dual Hydraulic Brakes:** Superior 4-piston hydraulic brakes with 180mm rotors provide strong and reliable stopping power.
- **Full Suspension System:** Lockable hydraulic suspension front forks and dual spring rear shock absorption reduce bumps for a comfortable ride.
- **Durable Frame:** Step-thru design with a high-quality 6063 aluminum frame and integrated rear rack.

2. SETUP AND ASSEMBLY

Your FREESKY electric bike arrives 85% pre-assembled, simplifying the setup process. The remaining 15% typically involves attaching the front wheel, handlebars, pedals, and seat. Please follow the detailed instructions provided in the included assembly guide for specific steps.

Initial Battery Charging:

Before your first ride, fully charge the battery. The battery is removable for convenient charging indoors. Connect the charger to a standard wall outlet and then to the battery charging port. The indicator light on the charger will change to signal a full charge (typically 4-6 hours).

SAMSUNG 48V20AH CELLS BATTERY

Long Range & Durable & Low Energy Consumption

- UL LISTED**
- IP65** Waterproof
- BMS** Security protection
- REMOVABLE** Portable & anti-theft
- INTERNAL BATTERY** Double anti-collision

(THROTTLE) 40 miles

(PAS) 90 miles

Image: The removable 48V 20Ah Samsung cell battery, designed for easy insertion and removal from the bike frame for charging and security.

3. OPERATING YOUR E-BIKE

Powering On and Display Usage:

Press and hold the power button on the LCD smart display to turn on the bike. The display will show key riding metrics such as speed, battery level, mileage, and current riding mode. Use the control buttons near the display to navigate through modes and settings.



Image: Detailed view of the LCD display, highlighting its functions, alongside the dual 4-piston hydraulic brakes and the integrated Samsung 20Ah battery.

Riding Modes:

Your FREESKY e-bike offers versatile riding options:

- **Manual Mode (7-Speed Shimano):** Ride like a traditional bicycle, using the Shimano 7-speed gear system.
- **Electric Mode:** Use the throttle for pure electric power without pedaling.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal, with adjustable levels of assistance.
- **Cruise Control:** Maintain a constant speed without continuous throttle input.
- **Assist Walk Mode:** Provides low-speed assistance for walking the bike.

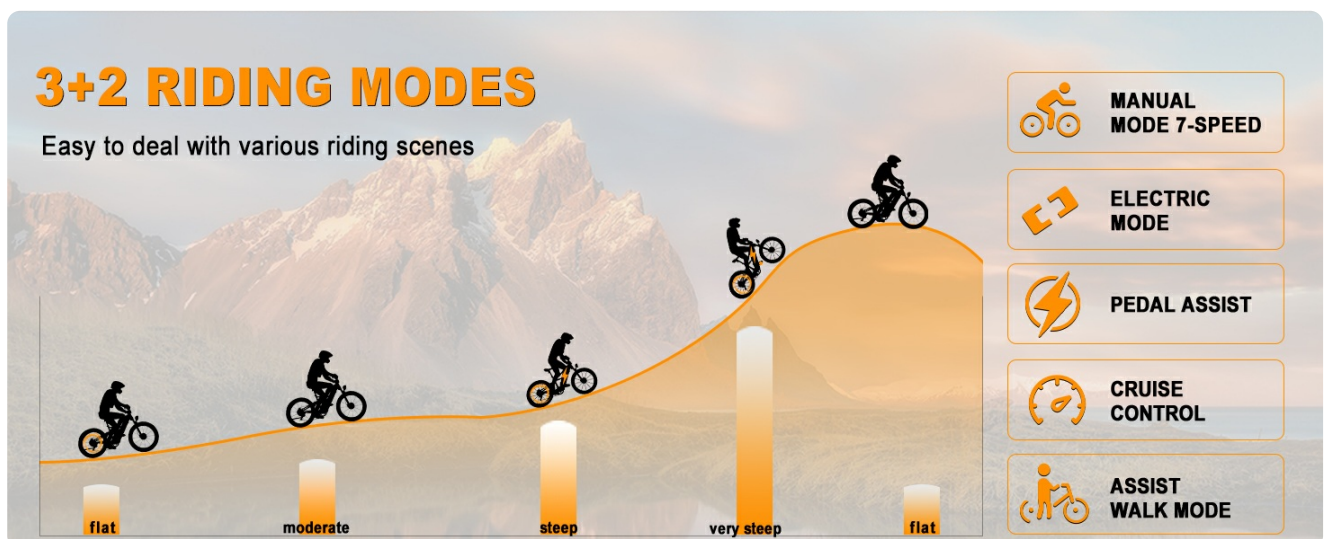


Image: Visual representation of the 3+2 riding modes, demonstrating how the bike adapts to various terrains from flat to steep inclines.

Braking System:

The bike is equipped with dual 4-piston hydraulic disc brakes with 180mm rotors for superior stopping power. Always apply both brakes simultaneously for effective and safe stopping.

DUAL HYDRAULIC DISC BRAKE

180MM DISC, 4 PISTONS HYDRAULIC BRAKE



4 Piston Hydraulic Disc Brake (ours)

Brake Stop

2 Piston Hydraulic Disc Brake (others)

Brake Stop

Mechanical Disc Brake (others)

Brake Stop

Image: A detailed view of the rear wheel, highlighting the dual hydraulic disc brake system with 180mm rotors, ensuring strong stopping power.

Suspension System:

The full suspension system, including lockable hydraulic front forks and dual spring rear shocks, absorbs impacts and provides a smooth ride over varied terrain. Adjust the suspension as needed for your comfort and riding conditions.

DUAL HYDRAULIC SUSPENSION

CDC continuously variable damping dual shock absorbers



Image: An illustrative diagram showcasing the dual hydraulic suspension system, detailing both the front fork and rear shock absorption for enhanced riding comfort.

4. MAINTENANCE

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

Battery Care:

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- The built-in battery design offers improved anti-collision, waterproof, dustproof, and anti-theft features, enhancing its service life.

General Upkeep:

- **Cleaning:** Use a damp cloth to wipe down the frame. Avoid high-pressure washing directly on electrical components.
- **Tires:** Regularly check tire pressure (refer to tire sidewall for recommended PSI) and inspect for wear or damage. The 20"x4.0" fat tires are designed for various terrains.
- **Brakes:** Inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Fasteners:** Periodically check all bolts and fasteners to ensure they are tight.

5. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated; loose electrical connection.	Ensure battery is fully charged and securely inserted. Check all visible cable connections.
Motor not assisting	Low battery; PAS level set to zero; brake lever sensor engaged.	Charge battery. Increase PAS level on display. Ensure brake levers are fully released.
Brakes feel weak	Worn brake pads; air in hydraulic line; misaligned calipers.	Inspect and replace brake pads if worn. Consult a professional bike mechanic for hydraulic system bleeding or caliper adjustment.
Unusual noises	Loose components; dry chain; rubbing parts.	Check all bolts and fasteners. Lubricate chain. Inspect for parts rubbing against each other (e.g., fender, brake rotor).

If you encounter issues not listed here or require further assistance, please contact FREESKY customer service.

6. SPECIFICATIONS

Detailed technical specifications for the FREESKY ROCKY PRO Electric Bike (Model A320).

SPECIFICATIONS

Total Length	67.7"
Total Height	40.9"
Wheelbase	45.8"
Chain Stay Length	17.7"
Front-Center	28.2"
Reach	18.5"
Seat Tube Angle	73°
Head Tube Angle	71°
Seat Height Max	37"
Seat Height Min	30.7"

 **5'1" to 5'11"** Recommended Height
 **75 LBS** Electric Bike
 **300 LBS** Load Capacity



Image: A comprehensive diagram illustrating the key dimensions and specifications of the FREESKY electric bike, including total length, height, wheelbase, and seat height ranges.

Feature	Detail
Model Name	ROCKY PRO (A320)
Motor	750W (Peak 1200W) Brushless Motor, 100NM Torque
Battery	48V 20Ah Samsung Cells Lithium Polymer (Removable)
Max Range	72-144 km (45-90 miles) per full charge
Top Speed	52 KM/H (Pedal Assist), 33 KM/H (Throttle)
Brakes	Dual 4-Piston Hydraulic Disc Brakes (180mm rotors)
Suspension	Dual (Lockable Hydraulic Front Fork, Dual Spring Rear Shock)
Tires	CST 20" x 4.0" Fat Tires
Gears	7-Speed Shimano
Frame Material	6063 Aluminum Alloy
Recommended Height	5'1" to 5'11"
Load Capacity	Up to 300 lbs
Item Weight	75 lbs
Color	Black (other colors may be available)

7. WARRANTY INFORMATION

FREESKY offers a professional warranty for your electric bike:

- **Batteries and Motor:** 18 Months Warranty
- **Other Main Replaceable Parts:** 13 Months Warranty

Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the documentation included with your purchase or contact FREESKY customer service.

8. CUSTOMER SUPPORT

FREESKY is committed to providing excellent customer service. If you have any questions, concerns, or require technical assistance, please reach out to us through the following channels:



Image: FREESKY customer support details, including phone number, email address, and a QR code for social media engagement.

- **Text/Video Support:** 5622056378
- **Support Hours:** Monday to Saturday, PST 10:00 am - 11:00 pm
- **Email Support:** support@freeskycycle.com
- **Online Help:** We provide 24-hour help and will assist you within 24 hours.
- **Social Media:** Join our community for updates and support. Scan the QR code in the image above or visit our Facebook page.

For installation guidance, please refer to the removable installation guides specifically placed for body parts, which simplify the remaining 15% assembly.