FREESKY A340

FREESKY A340 Electric Bike User Manual

Model: A340

1. Introduction

This manual provides essential information for the safe operation, maintenance, and assembly of your FREESKY A340 Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience. Retain this manual for future reference.
The FREESKY A340 is an electric bike designed for adults, featuring an 1800W peak power motor, a 48V 25AH removable battery, and full suspension with 26-inch fat tires. It is built for various terrains, including mountains, commutes, beaches, and snow, offering a comfortable and powerful ride.

2. Safety Information

Always prioritize safety when operating your electric bike. Failure to follow safety guidelines can result in serious injury or property damage.

- Always wear a helmet and appropriate safety gear.
- Obey all local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not operate the bike under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Ensure all components are securely fastened before riding.

3. Setup and Assembly

Your FREESKY A340 electric bike arrives approximately 85% pre-assembled. The remaining assembly typically involves attaching the front wheel, handlebars, pedals, and seat. A basic tool kit is included to assist with this process.

3.1 Unpacking

Carefully remove all components from the packaging. Inspect for any shipping damage. If you find any damage, contact customer support immediately.

3.2 Assembly Steps

1. **Install the Front Wheel:** Secure the front wheel into the fork dropouts. Ensure the quick-release skewer or axle nuts are tightened properly.
2. **Attach the Handlebars:** Insert the handlebar stem into the fork steerer tube and tighten the bolts. Adjust the handlebar angle for comfort.
3. **Install the Pedals:** Note that pedals are typically marked 'L' for left and 'R' for right. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise.
4. **Adjust the Seat:** Insert the seat post into the frame and adjust the seat height to a comfortable riding position. Ensure the quick-release clamp is securely tightened.
5. **Charge the Battery:** Before your first ride, fully charge the battery. Refer to the 'Battery Charging' section for details.

For a visual guide, an installation video may be available on the product page or manufacturer's website.

4. Operating Instructions

4.1 Powering On/Off and Smart Key Activation

The FREESKY A340 features a keyless start system. You can activate the bike using either the Smart Key or a password.



Image: The bike's display showing various metrics and the Smart Key/NFC key for activation. A smartphone is shown charging via the display's Type-C port.

- **Smart Key Activation:** Tap the Smart Key (NFC key) to the designated area on the display to power on the bike.
- **Password Activation:** Enter your pre-set password on the display to power on the bike.
- To power off, typically press and hold the power button on the display.

4.2 Display Functions

The integrated display provides crucial riding information and allows for settings adjustments.

- **Distance:** Shows current trip distance or total odometer.
- **Battery Level:** Indicates remaining battery charge.
- **Display Speed:** Shows current riding speed (MPH or km/h).
- **PAS Gear:** Displays the current Pedal Assist System level (0-5).
- **Type-C Charging Port:** Located on the display, this port allows you to charge mobile devices while riding.

4.3 Riding Modes and Pedal Assist

The FREESKY A340 offers versatile riding options with 5 riding modes and 5 levels of pedal assist.

- **Pure Electric Mode:** The bike is propelled solely by the motor, without pedaling. This mode can achieve speeds up to 20 MPH and a range of 35-70 miles depending on conditions.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. There are 5 levels of pedal assist, allowing you to control the amount of motor power. In PAS mode, the bike can achieve a range of 60-180 km.
- **Manual Mode:** Ride the bike like a traditional bicycle without any motor assistance.

4.4 Power and Performance

The bike is equipped with a powerful motor for various riding conditions.



Image: A rider on the FREESKY A340 electric bike, highlighting its 1800W peak power, 35 MPH max speed, 130 N·M torque, and 40° climbing capability.

- **Motor:** Upgraded 1000W/Peak 1800W Brushless frequency conversion motor.

- **Max Speed:** Up to 33-35 MPH in pedal assist mode.
- **Climbing Power:** 120NM torque, capable of conquering steep inclines up to 40°.

4.5 Braking System

The FREESKY A340 features a robust braking system for reliable stopping power.



Image: Close-up of the dual hydraulic disc brakes with 4-piston calipers, illustrating their superior stopping power compared to mechanical brakes.

- **Brake Type:** Dual Hydraulic Disc Brakes with 4-piston calipers.
- **Operation:** Squeeze both brake levers simultaneously for controlled stopping. Apply front and rear brakes evenly to prevent skidding.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your electric bike.

5.1 Battery Care



Image: The 48V 25Ah removable battery with Samsung cells, highlighting its safety features and TÜV SÜD certification.

- **Charging:** Use the provided 3A fast charger. A full charge takes approximately 4-6 hours.
- **Protection:** The battery features a BMS (Battery Management System) with overcharge, temperature, and short circuit protection.
- **Storage:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 2-3 months.
- **Water Resistance:** The built-in battery design improves water resistance, but avoid submerging the bike.

5.2 General Bike Maintenance

- **Tires:** Regularly check tire pressure and inspect for wear or damage. The bike uses 26"x4" fat tires.
- **Brakes:** Inspect brake pads for wear and ensure brake levers operate smoothly. Adjust as needed.

- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent wear.
- **Suspension:** Periodically check the front dual hydraulic and mid-air suspension for proper function and adjust according to your riding preference.



Image: Illustration of the bike's suspension system, including the adjustable air shock, hydraulic suspension, and forked suspension, designed to reduce bumps by 95%.

- **Fasteners:** Periodically check all bolts and nuts for tightness.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

6. Troubleshooting

This section addresses common issues you might encounter with your FREESKY A340 electric bike.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated; Smart Key/password not recognized.	Ensure battery is fully charged and securely installed. Re-attempt Smart Key tap or password entry.
Motor not assisting	PAS level set to 0; Brake levers engaged; Loose motor connection.	Increase PAS level. Release brake levers. Check motor cable connections.
Short battery range	Low tire pressure; Riding in high PAS levels or pure electric mode frequently; Cold weather.	Inflate tires to recommended pressure. Use lower PAS levels. Charge battery fully before each ride.
Brakes feel weak	Worn brake pads; Air in hydraulic lines; Misaligned calipers.	Inspect and replace brake pads if worn. Consult a bike mechanic for hydraulic system bleeding or caliper adjustment.

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

7. Specifications

Below are the key specifications for the FREESKY A340 Electric Bike.

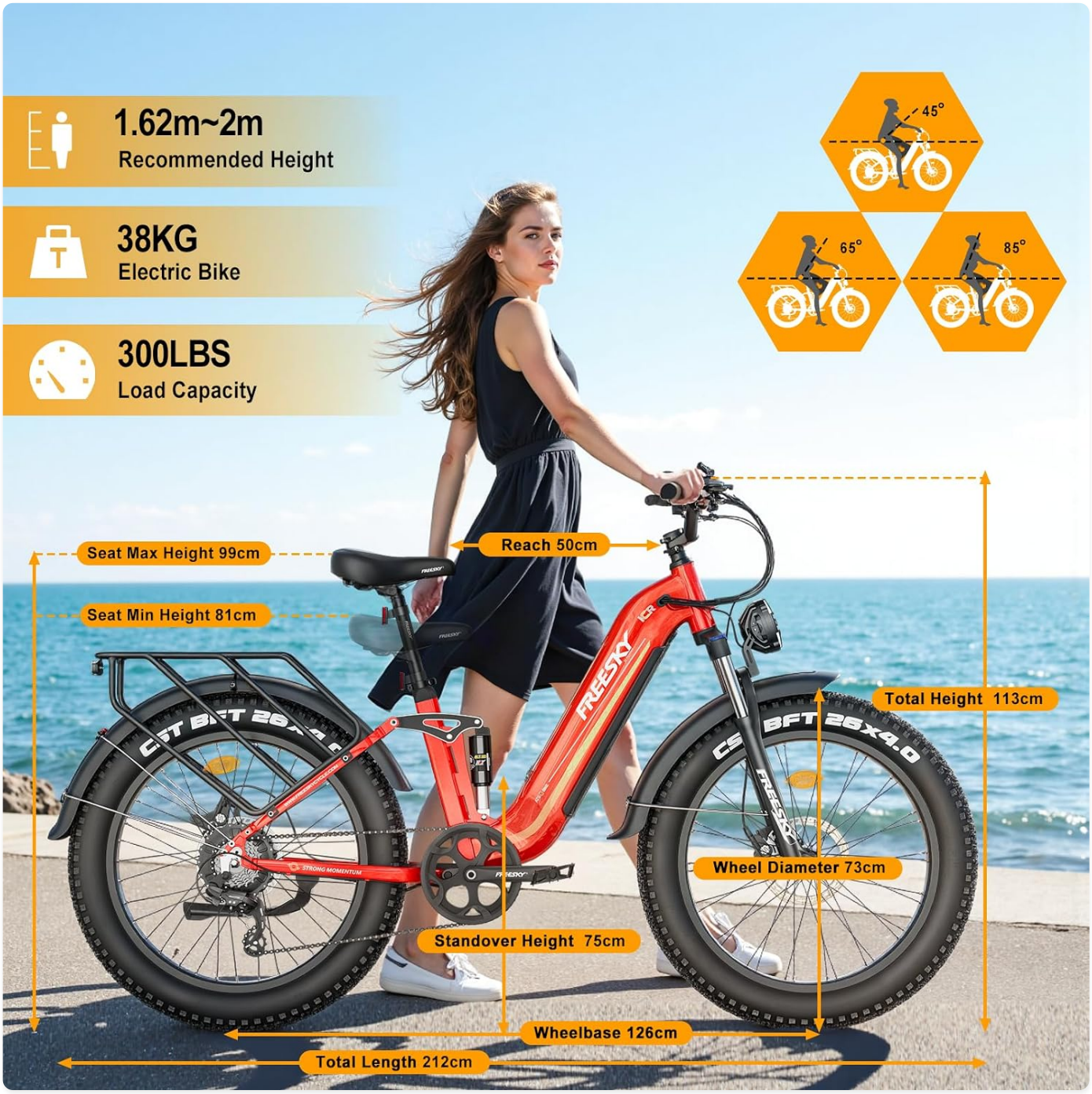


Image: Diagram showing the dimensions of the FREESKY A340 electric bike, including total length, wheelbase, standover height, seat height ranges, wheel diameter, and total height. Also indicates recommended rider height (1.62m-2m), bike weight (38KG), and load capacity (300LBS).

Feature	Detail
Model Name	wildcat (A340)
Bike Type	Electric Bike
Age Range	Adult
Motor	1000W / Peak 1800W Brushless
Max Speed	35 MPH (Pedal Assist)
Battery	48V 25AH Removable (Samsung Cells)

Feature	Detail
Max Range	65-180 KM (Pedal Assist), 35-70 Miles (Pure Electric)
Charging Time	4-6 Hours (with 3A fast charger)
Suspension Type	Dual (Front Dual Hydraulic & Mid Air Suspension)
Wheel Size	26 Inches (Fat Tire)
Frame Material	Aluminum
Brake Style	Dual Hydraulic Disc (4-piston calipers)
Number of Speeds	7
Item Weight	90 Pounds (approx. 40.8 kg)
Load Capacity	300 LBS (approx. 136 kg)
Recommended Rider Height	5'4" - 6'8" (1.62m - 2m)
Included Components	Tool Kit

8. Warranty and Support

FREESKY provides comprehensive support and warranty for your electric bike.

- **Motor and Battery Warranty:** 18 months.
- **Charger and Controller Warranty:** 12 months.
- **Technical Support:** Lifetime technical support is provided.

For any questions regarding returns, warranty claims, or technical assistance, please contact FREESKY customer support directly. Refer to your purchase documentation for specific contact information.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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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.

Submit question