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ANCHEER AMAK00032

ANCHEER Foldable Electric Bike User Manual

Model: AMAK00032

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your ANCHEER Foldable Electric Bike. Please read this manual thoroughly before your first ride and retain it for future reference. Adherence to these instructions will ensure optimal performance and longevity of your e-bike.



Image: The ANCHEER Foldable Electric Bike, black in color, shown in its unfolded state. It features a compact design with 14-inch wheels, disc brakes, and a central battery housing. The handlebars are equipped with a display, bell, and throttle.

Safety Guidelines

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Observe all local traffic laws and regulations. Do not operate the e-bike under the influence of alcohol or drugs.

- Ensure the battery is securely installed before riding.
- Check tire pressure and brake functionality before each use.
- Be aware of your surroundings and ride defensively.
- Do not exceed the maximum weight recommendation of 265 lbs (120 kg).
- The e-bike is UL 2849 Certified, ensuring safety of the electrical drive system.



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/23/SZ/00482U

Contract Number: 802126
Certificate Project Number: SZ-CERT231203900

Certified Product: Lithium-Ion 13S4P Battery (Product name: Lithium-Ion Battery Pack)
Trademarks: -
Model(s): VK-46V10.4Ah-A-13S4P
Technical Data: Nominal Voltage: 46Vdc; Rated Capacity: 10.4Ah; Maximum Charge Current: 3A; Maximum Discharge Current: 10.4A; Maximum Charge Voltage: 54.6V; End of Discharge Voltage: 35.75V; Charge Temperature Range: 0-45°C; Discharge Temperature Range: -10-45°C

Certificate Holder: Shenzhen Vanpowers Intelligent Technology Co., Ltd. 901A3, No. 6 Kangli City, No.66, Pingji Avenue,Liliang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong, China

ANSI/UL 2271, 2nd Edition, Dated September 7, 2018
CAN/ULC 2271, 2nd Edition, Dated September 7, 2018
Schedule of Limitations
1. The electronic circuit for the battery pack provided one level under-voltage protection for discharge and fuses as redundant passive protective device for short-circuit protections. Additional protection against over-discharge should also be provided and evaluated when the battery was installed within end LEV.
2. The end use vehicle application shall provide instructions with regard to the safe charging of the battery. If these batteries are intended for use with a specified charger as noted in this report, that information shall be marked where it will be visible to the user in the end use vehicle application.
3. The battery protection circuit for the battery pack was evaluated to be with over-temperature of charge protection, over-temperature of discharge protection. This acceptance should be determined in the end use application.
4. The battery pack was not intended for on-road LEVs, and following clauses were not evaluated. The acceptance should be determined in the end use application.
32 Crush Test
5. The enclosure does not have an UW/Water exposure rating for use in outdoor locations, additional evaluation needed if exposed to sunlight or water in the end use application.

Authorized by: Effective date: 29 December 2023
Jason Wei
Certifier

Certification Body

Image: A certificate of compliance from SGS, indicating UL 2849 certification for the e-bike, confirming its electrical safety standards.

Setup and Assembly

The ANCHEER Foldable Electric Bike arrives 95% pre-assembled. Follow these steps for final setup:

1. **Unfolding the Bike:** Carefully unfold the frame until it locks into place. Ensure all quick-release levers are securely fastened.
2. **Handlebar Adjustment:** Adjust the handlebar height to a comfortable riding position and secure the stem clamp.
3. **Seat Adjustment:** Adjust the seat post height. Ensure the seat post is inserted beyond the minimum insertion mark and the quick-release clamp is tightened securely. The recommended height range for riders is 4'6"-5'6".
4. **Pedal Installation:** Attach the pedals, ensuring they are tightened firmly. Note that pedals are often marked 'L' for left and 'R' for right.
5. **Initial Battery Charge:** Fully charge the battery before the first use. Connect the charger to the charging port on the battery and then to a power outlet. A full charge typically takes approximately 5 hours.



Image: A person demonstrating the folding process of the ANCHEER electric bike, showing how it can be compactly stored or transported in a car trunk. The bike weighs 49.6 lbs.



Image: Close-up view of the ANCHEER electric bike's seat post adjustment mechanism, highlighting the safety line to prevent over-extension.

Operating Instructions

Battery and Charging

The e-bike is equipped with a 48V 7.8Ah/374.4Wh Lithium-ion battery. The charging port is located on the battery housing. Always use the provided charger.

- **Charging Time:** Approximately 5 hours for a full charge.
- **Range:** Up to 30 miles per charge in Pedal-Assist System (PAS) mode.

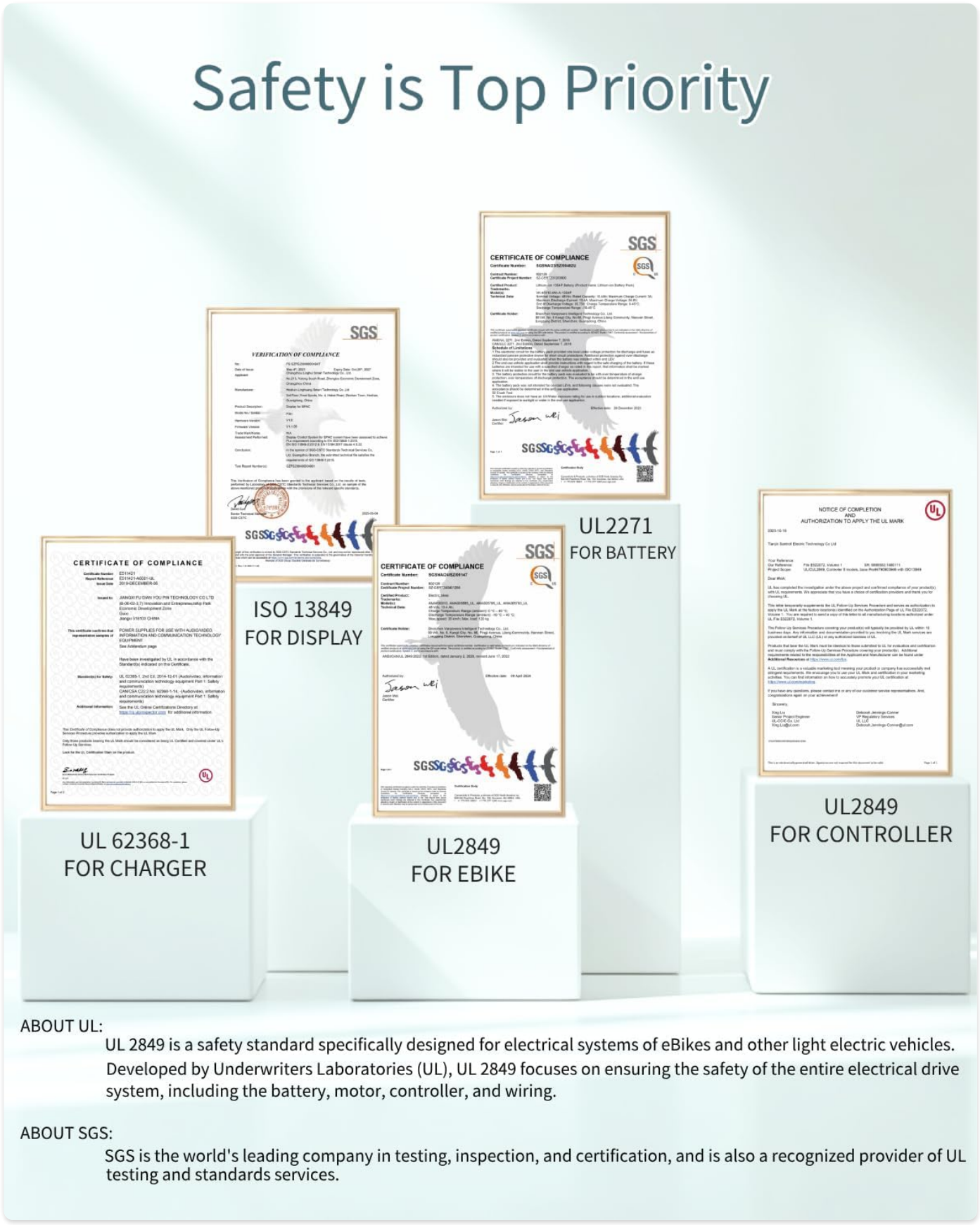


Image: A detailed view of the 48V 7.8Ah Lithium-ion battery integrated into the ANCHEER electric bike's frame, showing the internal cell structure and the charging port. The battery is UL 2271 certified.

Working Modes

Your ANCHEER e-bike offers three distinct riding modes:

1. **Pure Electric Mode (Throttle):** Ride directly using the throttle without pedaling. Ideal for effortless cruising.
2. **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal, making cycling easier and extending

range. The LED display shows the current pedal-assist level.

3. **Normal Bike Mode (Manpower):** Ride the bike like a traditional bicycle without any electrical assistance. No power is needed for this mode.



Image: An illustration depicting the three riding modes: Pure Electric Mode (scooter icon), Boost Mode (bicycle with power assist icon), and Manpower Model (bicycle icon). A person is shown riding the e-bike in an urban setting.

Controls and Display

The handlebars feature a meter display, bell, and throttle. The LED display provides key information such as pedal-assist levels and battery life.

- **Speed Limit:** There are 3 levels for throttle and PAS mode: LOW (<=6mph), MED (<=14mph), HIGH (<=20mph).
- **Cruise Control:** When speed is >= 6 mph, press and hold the "6km" button for 3 seconds to activate cruise control.
- **Headlight Control:** The headlight can be controlled via the meter display.
- **Push Assist:** This feature provides low-speed assistance for walking the bike.



Image: A close-up view of the ANCHEER electric bike's handlebars, highlighting the meter display, bell, and throttle. Text overlays indicate features like Cruise Mode, Headlight Control, and Push Assist.

Maintenance

Regular maintenance ensures the safety and longevity of your ANCHEER electric bike.

- **Brakes:** The bike is equipped with dual disc brakes. Regularly inspect brake pads and rotors for wear. Adjust brake tension as needed to ensure responsive braking.
- **Tires:** Check tire pressure before each ride. The 14-inch tires feature an anti-slip rubber layer, sealed steel rims, and anti-puncture properties. Maintain proper inflation for optimal performance and safety.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth operation.
- **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.
- **General Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.



Image: A close-up view of the ANCHEER electric bike's 14-inch wheel and dual disc brakes. Text highlights features like anti-slip rubber layer, sealed steel rims, and anti-puncture design.

Troubleshooting

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged or improperly installed; loose electrical connection.	Ensure battery is fully charged and securely seated. Check all visible cable connections.
Motor not assisting	Low battery; PAS level set to zero; brake levers engaged; motor connection issue.	Charge battery. Increase PAS level on display. Ensure brake levers are fully released. Check motor cable connection.
Brakes feel weak	Worn brake pads; loose brake cable; air in hydraulic system (if applicable).	Inspect and replace brake pads if worn. Adjust brake cable tension. If problem persists, consult a professional bike mechanic.
Unusual noises during ride	Loose components; dry chain; rubbing brakes.	Check all bolts and quick releases. Lubricate chain. Inspect brake alignment.

For issues not listed here, or if troubleshooting steps do not resolve the problem, please contact ANCHEER customer service.

Specifications

Model Name	AMAK00032
Bike Type	Electric Bike
Motor	350W (Peak 500W) Brushless Motor
Battery	48V 7.8Ah / 374.4Wh Lithium-ion
Top Speed	20 MPH
Max Range (PAS Mode)	Up to 30 miles
Wheel Size	14 Inches
Frame Material	Aluminum
Brake Style	Disc (Dual Disc Brakes)
Net Weight	49.6 lbs
Maximum Load	265 lbs (120 kg)
Recommended Height	4'6" - 5'6"

Certification	UL 2849 Certified (Whole Electric Bike)



Image: A diagram illustrating the dimensions of the ANCHEER electric bike, including height, length, and folded size. Key specifications such as recommended height, load capacity (Max 265 LBS), and bicycle weight (49.6 LBS) are also displayed.

Warranty and Support

ANCHEER provides comprehensive customer support and warranty coverage for your electric bike.

- **Warranty:** 1-year guarantee on the motor, battery, and charger.
- **Customer Service:** Lifelong technical support and update services are provided. For any questions or assistance, please contact ANCHEER customer service.



NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK

2023-10-18

Tianjin Santroll Electric Technology Co Ltd

Your Reference:
Our Reference: File E522072, Volume 1 SR: 5865502.1480111
Project Scope: UL/CUL2849, Controller 8 models, base ProH4700903946 with ISO13849

Dear #N/A:

UL has completed the investigation under the above project and confirmed compliance of your product(s) with UL requirements. We appreciate that you have a choice of certification providers and thank you for choosing UL.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at the factory location(s) identified on the Authorization Page of UL File E522072, Volume 1. You are required to send a copy of this letter to all manufacturing locations authorized under UL File E522072, Volume 1.

The Follow-Up Services Procedure covering your product(s) will typically be provided by UL within 10 business days. Any information and documentation provided to you involving the UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Products that bear the UL Mark must be identical to those submitted to UL for evaluation and certification and must comply with the Follow-Up Services Procedure covering your product(s). Additional requirements related to the responsibilities of the Applicant and Manufacturer can be found under **Additional Resources** at https://www.ul.com/fus.

A UL certification is a valuable marketing tool meaning your product or company has successfully met stringent requirements. We encourage you to use your UL Mark and certification in your marketing activities. You can find information on how to accurately promote your UL certification at https://www.ul.com/marketing.

If you have any questions, please contact me or any of our customer service representatives. And, congratulations again on your achievement!

Sincerely,

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Deborah Jennings-Conner
VP Regulatory Services
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Image: A graphic illustrating ANCHEER's after-sales service, including "24-Hour Rapid Response," "Free Parts Replacement," and a "1 Year Warranty" badge.

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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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