Aipas A2

Aipas A2 Folding Electric Bike User Manual

Brand: Aipas | Model: A2

Introduction

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your Aipas A2 Folding Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference. The Aipas A2 is a 20-inch fat tire electric bike equipped with a 750W motor, a 48V removable battery, and a 7-speed gear system, designed for versatile riding experiences.



Figure 1: Aipas A2 Folding Electric Bikes (White & Black models).

Safety Guidelines

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations. Perform a pre-ride inspection before each use to ensure all components are in good working order.

- Always wear a certified helmet.
- Obey all local traffic laws and regulations.
- Perform a pre-ride safety check: inspect brakes, tires, lights, and battery.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and potential hazards.
- Ensure the bike is properly unfolded and locked before riding.

Setup & Assembly

The Aipas A2 electric bike comes 95% pre-assembled. Follow these steps to complete the setup:

Your browser does not support the video tag.

Video 1: Unboxing and Initial Setup Guide for Aipas Electric Bike.

1. **Unboxing:** Carefully open the box and remove the bike. Remove all foam packaging and zip ties securing the components.
2. **Locate Keys:** Your keys are secured on the seat stay with a blue zip tie. Cut the tie to retrieve them.
3. **Battery Management:**
    - Unlock the battery compartment using the key.
    - Remove the battery for initial charging.
    - Connect the charger to the battery and plug it into a power outlet. The charger light will be red while charging and turn green when fully charged.
    - Once charged, insert the battery back into the bike and lock it into place. Ensure the locking pin comes out, indicating it's securely locked.



Figure 2: Removable battery design for convenient charging.

4. **Unfolding the Bike:**
    - Unfold the main frame of the bike. Listen for a click as the latch goes into place. Perform a pull test to ensure it's fully seated.
    - Lower the kickstand to support the bike.
5. **Handlebar Setup:**
    - Raise the folding stem and lock the folding stem latch into place.
    - Insert the telescoping stem past the minimum insertion point, ensuring it is securely seated.
    - Adjust the display control pad and display to a suitable angle for visibility and comfort.
6. **Headlight Adjustment:** Adjust the angle of the front headlight for optimal visibility.
7. **Seat Post Adjustment:** Insert the seat post past the minimum insertion point. Tighten the seat post clamp to secure the seat at your desired height.
8. **Unfold Pedals:** Unfold the foldable pedals until they click into their riding position.
9. **Tire Pressure:** Check the tire sidewall for the recommended PSI level. Insert the air pump onto the stem and inflate the tires to the specified pressure.

Operating Instructions

Familiarize yourself with the controls before riding.

1. **Power On/Off:** Press and hold the power button on the display control pad until the display turns on. Repeat to turn off.
2. **PAS Level Adjustment:** Use the "up" and "down" buttons on the control pad to change the Pedal Assist System (PAS) level. Higher PAS levels provide more motor assistance.
3. **Lights and Horn:**
    - Press the light button to turn on/off the head and tail lights.
    - Press the horn button to activate the horn.
    - Use the turn signal buttons for indicating turns.
4. **Riding Modes:** The Aipas A2 supports both pedal-assist and full-throttle modes.
    - **Pedal-Assist:** The motor provides assistance as you pedal, based on the selected PAS level.
    - **Full-Throttle:** Use the throttle grip to engage the motor without pedaling.

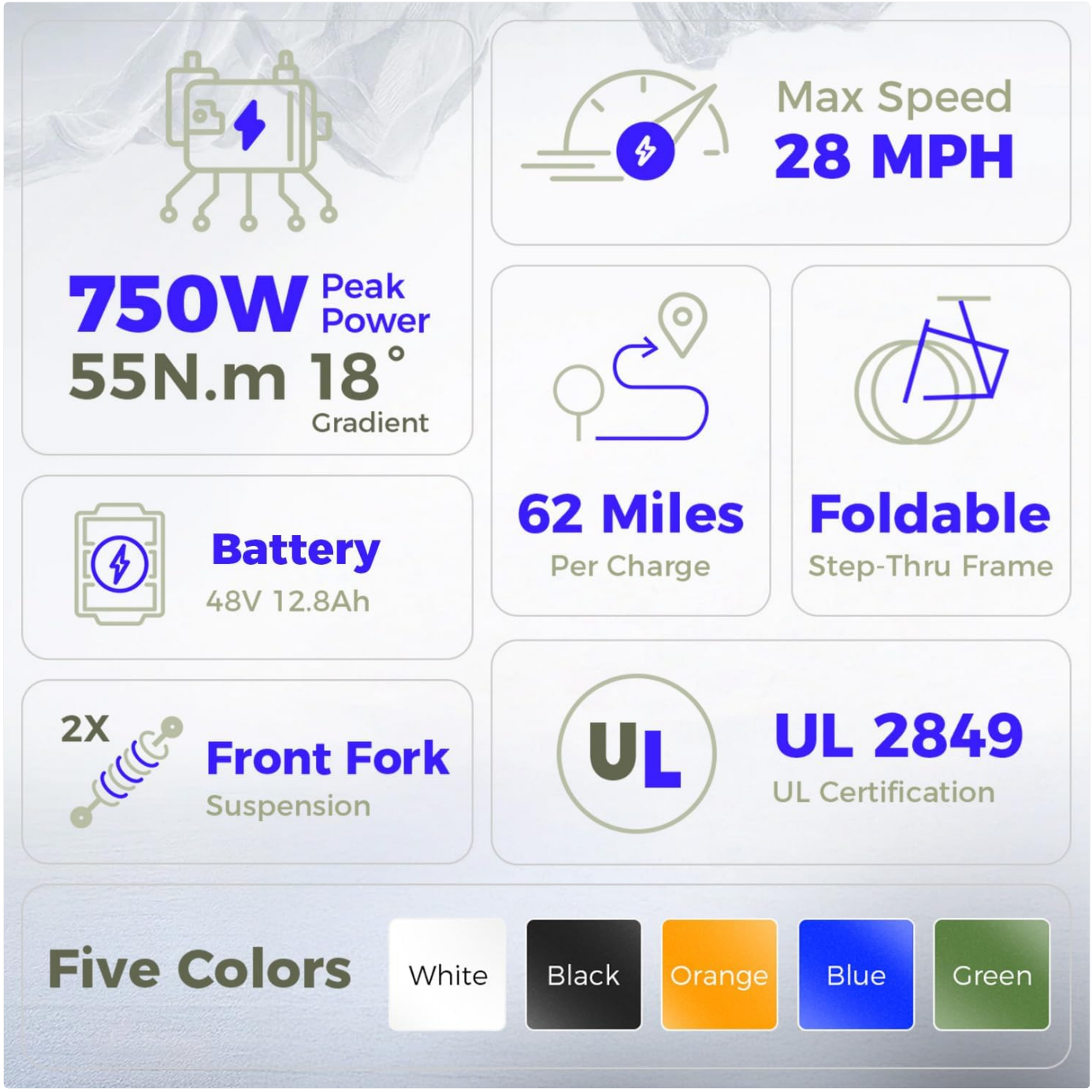


Figure 3: Display and control panel for the Aipas A2.

Maintenance

Regular maintenance ensures the longevity and safe operation of your Aipas A2 electric bike.

- **Battery Care:**
  - Charge the battery fully after each ride, especially if it will be stored for an extended period.
  - Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
  - Avoid completely draining the battery to prolong its lifespan.
- **Tire Pressure:** Regularly check and maintain the recommended tire pressure (PSI) as indicated on the tire sidewall. Proper inflation improves ride quality and prevents punctures.
- **Brake Adjustment:** Periodically check the brake pads and rotors for wear. Adjust the barrel adjusters on the brake levers to ensure proper brake function and responsiveness.
- **Cleaning:** Clean your bike regularly with a damp cloth. Avoid using high-pressure water jets directly on electrical

components.

- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are tight and secure.

Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely locked in place.
Motor not assisting.	PAS level set to 0, or brake levers are engaged.	Increase PAS level. Ensure brake levers are fully released.
Brakes feel loose or ineffective.	Brake cable tension is too low.	Adjust the barrel adjusters on the brake levers or at the caliper. If problem persists, consult a professional.
Tires feel soft.	Low tire pressure.	Inflate tires to the recommended PSI. Check for punctures if pressure drops quickly.

Specifications

Key technical specifications for the Aipas A2 Folding Electric Bike:

Feature	Specification
Bike Type	Electric Bike
Motor	750W Brushless Motor
Max Speed	28 MPH
Battery	48V 12.8Ah Removable Lithium-ion Battery
Range per Charge	25-62 Miles (depending on assist level and terrain)
Wheel Size	20 Inches (Fat Tire)
Tires	20 x 3.0" Puncture-Resistant Fat Tires
Frame Material	Aluminum (Step-Through Frame)
Suspension	Front Hydraulic Lock Suspension
Brakes	180mm Mechanical Disc Brakes
Gears	7-Speed
Max Load Capacity	350 Lbs
Folded Size	33in x 20in x 31in
Special Features	Folding, Disc Brakes, Adjustable Components, Taillight, LCD-Display



Figure 4: Front Mechanical Suspension for enhanced riding comfort.



Figure 5: Puncture-resistant fat tires for all-terrain capability.

Warranty & Support

Aipas provides comprehensive support for your electric bike.

- **Warranty:** The Aipas A2 Folding Electric Bike comes with a 1-year quality-issue warranty from the date of purchase (December 1, 2023).
- **Technical Guidance:** Lifetime technical guidance is available for all Aipas e-bikes.
- **Contact Support:**
  - **Call Center:** 1(844) 777-0681 (Mon. - Fri. 9:00 am-5:30 pm PST)
  - **Email Support:** service@aipasbike.com (Response within 24 hours)

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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