AMYET S8

AMYET S8 Peak Electric Bike User Manual

Model: S8 | Brand: AMYET

1. Introduction

Welcome to the AMYET S8 Peak Electric Bike user manual. This guide provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. The S8 Peak is designed for adults, featuring a powerful 3000W dual motor system, a long-range 48V 25Ah battery, hydraulic disc brakes, and full suspension for a comfortable and versatile riding experience across various terrains.
Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

2. Safety Guidelines

Your safety is paramount. Adhere to the following guidelines:

- Always wear a certified helmet and appropriate safety gear (gloves, eye protection) when riding.
- Perform a pre-ride inspection: check tire pressure, brake function, and ensure all quick releases and fasteners are secure.
- Obey all local traffic laws, regulations, and road signs. Ride defensively and be aware of your surroundings.
- Avoid riding in adverse weather conditions (heavy rain, snow, ice) or low visibility without proper lighting.
- Do not operate the bike under the influence of alcohol or drugs.
- Ensure the battery is charged in a well-ventilated area, away from flammable materials.
- Do not modify the bike's electrical system or components.
- The maximum weight capacity for the rider is 330 pounds. Do not exceed this limit.

3. Assembly

The AMYET S8 Peak Electric Bike arrives 95% pre-assembled. The remaining assembly steps are straightforward and require minimal tools, which are included in your package. Please follow these instructions carefully:

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain the original packaging for potential future use (e.g., returns or transport).
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding.
3. **Front Wheel Installation:** Install the front wheel, ensuring the disc brake rotor aligns correctly with the caliper.

Secure the quick release or axle nuts firmly.

4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread them into the corresponding crank arms. Note that the left pedal has a reverse thread. Tighten securely with a wrench.
5. **Saddle Installation:** Insert the seat post into the frame's seat tube. Adjust the height for comfortable pedaling and secure the quick release clamp.
6. **Headlight and Rear Signal Light:** Ensure the headlight and rear turning signal light are properly mounted and connected.
7. **Tire Inflation:** Inflate both tires to the recommended pressure indicated on the tire sidewall.

After assembly, double-check all bolts, nuts, and quick releases to ensure they are tight and secure before your first ride.



The AMYET S8 Peak Electric Bike after assembly.

4. Component Identification

Familiarize yourself with the main components of your S8 Peak Electric Bike:

- **Dual Motors:** Two 1000W high-speed brushless motors (front and rear) providing a combined 3000W peak power.
- **Battery:** Removable 48V 25Ah (1200Wh) battery, offering up to 75 miles of range. IP54 waterproof rating.

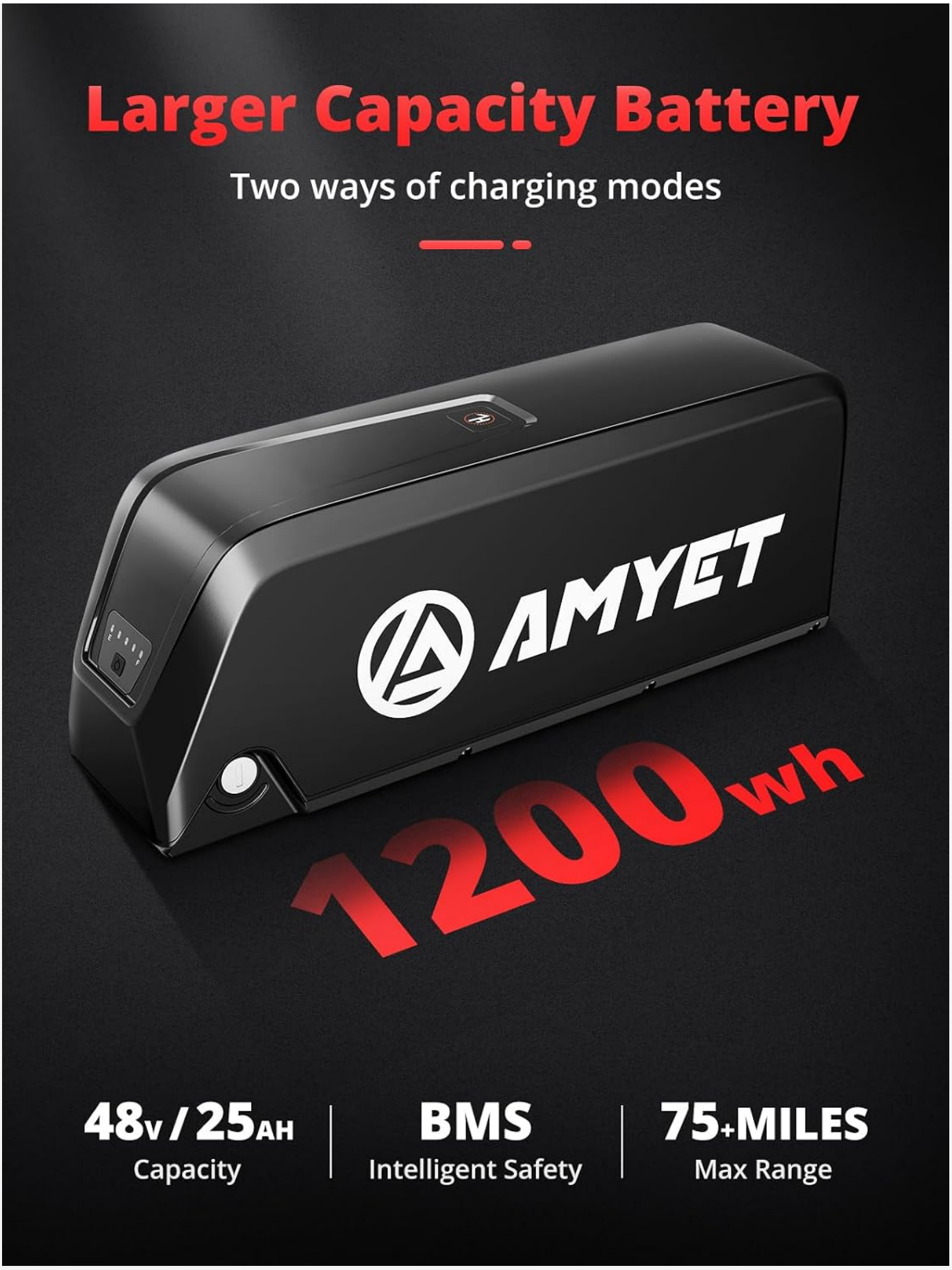
- **LCD Display:** Smart display showing real-time speed, battery level, pedal assist level, and mileage. Includes a USB charging port.
- **Hydraulic Disc Brakes:** Front and rear hydraulic brake system with power-off function for effective and smooth stopping.
- **Full Suspension Fork:** High-strength hydraulic full suspension and lockable front fork to absorb shocks and provide a comfortable ride.
- **7-Speed Gear System:** Shimano 7-speed gears for versatile riding on different terrains.
- **LED Lights:** Upgraded bright LED headlight and rear turning signal light for enhanced visibility and safety.
- **Frame:** Durable high-carbon steel frame designed for stability and strength.



Detailed view of the LCD Display System and handlebar controls.



Illustration of the dual motor system and switch.



The 1200Wh large capacity battery.



The hydraulic disc brake system.



The hydraulic dual suspension fork.

5. Initial Setup

5.1 Battery Charging

Before your first ride, fully charge the battery. The 48V 25Ah battery can be charged on or off the bike. Connect the charger to the battery charging port and then to a standard power outlet. The charging indicator on the charger will change when fully charged (typically 5-6 hours for a full charge from empty).

- Ensure the battery is securely locked into the frame if charging on the bike.
- Do not overcharge the battery. Disconnect the charger once charging is complete.
- The battery is removable for convenient charging indoors or to prevent theft.

5.2 LCD Display Settings

The smart LCD display provides vital riding information. Upon powering on the bike, the display will activate. You can navigate through different modes and settings using the buttons on the handlebar control panel. The display tracks real-time speed, battery level, pedal assist level, and mileage. A USB charging port is available on the side for charging mobile devices.

6. Operating Instructions

6.1 Power On/Off

To power on the bike, press and hold the power button on the LCD display control panel. To power off, press and hold the same button until the display turns off.

6.2 Riding Modes

The S8 Peak offers multiple riding modes:

- **Pedal Assist System (PAS):** Provides motor assistance as you pedal. Use the '+' and '-' buttons on the control panel to adjust the assist level (typically 1-5). Higher levels provide more assistance.
- **Throttle Mode:** Engage the twist-grip throttle on the right handlebar for pure electric power without pedaling. Be cautious with rapid acceleration.
- **Manual Pedaling:** Ride the bike like a traditional bicycle without any motor assistance.

6.3 Single/Dual Motor Switch

The S8 Peak features a switch to select between single (rear motor) or dual motor operation. The dual motor mode provides maximum power and climbing capability, ideal for challenging terrains or higher speeds. The single motor mode is more energy-efficient for general riding.



The dual super motor system.

6.4 Gear Shifting

Use the 7-speed gear shifter on the right handlebar to change gears. Shift to lower gears for climbing hills and higher gears for faster speeds on flat terrain. Shift smoothly to avoid damaging the drivetrain.

6.5 Braking

The bike is equipped with hydraulic disc brakes for superior stopping power. Apply both front and rear brakes simultaneously for balanced and effective braking. The brakes also feature a power-off function, cutting motor power when applied.

6.6 Lights and Horn

Activate the bright LED headlight for night riding or low-light conditions. Use the rear turning signal lights to indicate your turns to other road users. The electronic horn can be used to alert pedestrians or other vehicles.

7. Maintenance and Care

Regular maintenance ensures the longevity and safe operation of your S8 Peak Electric Bike:

- **Cleaning:** Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- **Tires:** Check tire pressure before each ride. Maintain the recommended PSI for optimal performance and to prevent flats. Inspect tires for wear and damage.
- **Brakes:** Periodically check brake pads for wear and brake fluid levels for hydraulic systems. Ensure brake levers provide firm and responsive braking.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 2-3 months to maintain battery health.
- **Fasteners:** Regularly check all bolts, nuts, and screws for tightness. Tighten any loose fasteners to prevent components from detaching during rides.
- **Suspension:** Inspect the suspension components for any leaks or damage. Keep the suspension clean.

8. Troubleshooting

Here are some common issues and their potential solutions:

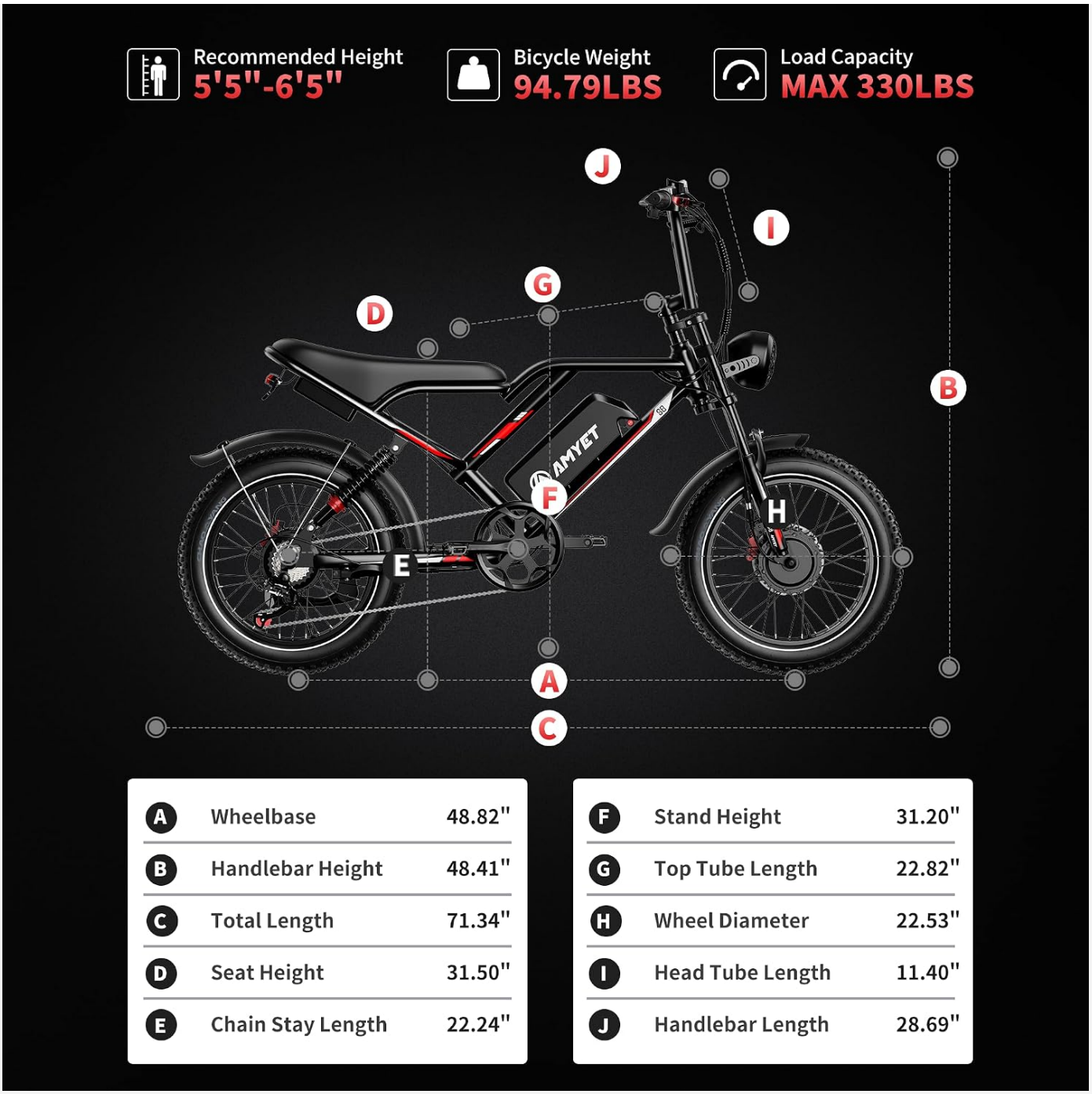
Problem	Possible Cause	Solution
Bike does not power on	Battery low/dead, loose battery connection, faulty display.	Charge battery, ensure battery is seated correctly, check display cables.
Motor not assisting/working	PAS level too low, throttle not engaged, brake lever engaged, motor cable loose.	Increase PAS level, twist throttle fully, release brake levers, check motor connections.
Brakes feel weak or spongy	Worn brake pads, air in hydraulic line, low brake fluid.	Inspect/replace brake pads, bleed brake system (professional recommended), check fluid levels.
Gears not shifting smoothly	Derailleur misalignment, dirty/dry chain, bent hanger.	Adjust derailleur, clean and lubricate chain, inspect hanger for damage.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact AMYET customer support for assistance.

9. Specifications

Feature	Detail
Model Name	S8 Peak
Bike Type	Electric Bike, Mountain Bike
Motor	Dual 1000W Brushless Motors (3000W Peak)
Max Speed	Up to 33 MPH
Max Slope	Up to 35°
Battery	48V 25Ah (1200Wh) Removable Lithium Battery
Max Range	75+ Miles (Pedal Assist)
Waterproof Rating	IP54
Brake Style	Hydraulic Disc Brake
Suspension Type	Dual (Hydraulic Full Suspension Fork)
Number of Speeds	7 (Shimano)
Frame Material	High Carbon Steel
Wheel Size	20 Inches (4 Inches Wheel Width)
Item Weight	94.79 Pounds
Maximum Weight Recommendation	330 Pounds
Minimum User Height	66 Inches
Dimensions (LxWxH)	74.24 x 28.34 x 72.22 inches
Included Components	Charger, Electric Bike, Kickstand, Manual, Tool Kit

9.1 Dimensions Diagram



Key dimensions of the S8 Peak Electric Bike.

10. Warranty and Support

10.1 Warranty Information

A **12-Month Limited Warranty** is provided for your AMYET S8 Peak Electric Bike. This warranty covers manufacturing defects in materials and workmanship under normal use. For full details and to claim your warranty, please visit the official AMYET website or contact customer support.

10.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact AMYET customer support:

- **Email:** support@amyet.com
- **Website:** amyet.com

Please have your model name (S8) and purchase information ready when contacting support.

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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

Answered questions about this manual

On the AMYET S8, the front motor stops working when using the handlebar switch, but works when connected to the rear motor connector. Is the problem the switch or the controller, and where can I find a wiring diagram?

Based on your testing, since the front motor works when connected to the rear motor's port, the motor itself is functional. The issue likely lies within the Single/Dual Motor Switch, the front motor controller,...

Read full answer