



[Manuals.plus](#) /

› [AiQite](#) /

› AiQite YS6 Electric Scooter User Manual

AiQite YS6

AiQite YS6 Electric Scooter User Manual

Model: YS6

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your AiQite YS6 Electric Scooter. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your scooter. Retain this manual for future reference.



Image 1.1: The AiQite YS6 Electric Scooter, showcasing its overall design with an attached seat and a portable storage bag.

2. SAFETY INFORMATION

Operating an electric scooter carries inherent risks. Adhere to all local laws and regulations regarding electric scooter use. Always wear a helmet and appropriate safety gear, including knee and elbow pads. Ensure the scooter is in good working condition before each ride.

- **Age and Weight Restrictions:** This scooter is designed for adults. The maximum load capacity is 800 lbs (approximately 362 kg). Do not exceed this limit.
- **Pre-Ride Check:** Inspect brakes, tires, lights, and all fasteners before each use.
- **Environmental Conditions:** Avoid riding in heavy rain, snow, or icy conditions. The scooter has an IPX6 waterproof rating, but it is not designed for submersion.
- **Traffic Laws:** Obey all traffic laws, signals, and signs. Ride defensively and be aware of your surroundings.

- **Alcohol and Drugs:** Never operate the scooter under the influence of alcohol or drugs.

3. PRODUCT OVERVIEW

Familiarize yourself with the key components of your AiQite YS6 Electric Scooter.



Image 3.1: Key components of the AiQite YS6 Electric Scooter. This includes the digital instrument panel, powerful headlights, rear taillight, steering control switches, dual charging ports, and the folding mechanism.

3.1 Main Components

- **Handlebars:** Equipped with grips, brake levers, and control switches.
- **Intelligent Acceleration Meter (Display):** Shows speed, mileage, voltage, and gear.
- **Headlights:** Dual U7LED spotlights for enhanced visibility.
- **Taillights:** Includes brake lights, turn signals, and driving lights.
- **Dual Motors:** Two 3000W brushless hub motors (6000W total).
- **Tires:** 11-inch off-road pneumatic tires.

- **Brakes:** Front and rear oil pressure disc brakes.
- **Suspension:** Dual front and rear suspension system.
- **Battery:** 60V 28Ah lithium battery located in the deck.
- **Charging Ports:** Dual charging ports for faster charging.
- **Folding Mechanism:** Allows for quick folding and compact storage.
- **Seat:** Removable seat for comfortable riding.



Image 3.2: Detail of the powerful 6000W brushless dual motors and the robust 11-inch off-road tires, designed for various terrains.

4. SETUP

4.1 Unpacking and Initial Inspection

1. Carefully remove all components from the packaging.
2. Check for any visible damage during transit. Contact customer service immediately if damage is found.
3. Verify all accessories are present: charger, tools, seat, keys, and any other included items.

4.2 Unfolding the Scooter

The scooter comes folded for transport. Follow these steps to unfold it:

1. Place the scooter on a flat, stable surface.
2. Locate the folding mechanism latch (refer to Image 3.1 for general location).
3. Release the latch and carefully lift the handlebar stem until it locks into the upright position. Ensure the locking mechanism is fully engaged.
4. Adjust the handlebar height to your preference and secure it.



Image 4.1: The AiQite YS6 Electric Scooter in its folded configuration, highlighting its compact design for storage and transport.

4.3 Initial Charging

Before your first ride, fully charge the scooter's battery.

1. Ensure the scooter is powered off.
2. Locate the dual charging ports on the scooter deck (refer to Image 3.1).
3. Connect the charger(s) to the charging port(s) and then plug into a standard wall outlet.

4. The charging indicator on the charger will typically show red during charging and turn green when fully charged.
5. Charging time is approximately 5 hours for a full charge. Using both charging ports can reduce this time.
6. Disconnect the charger(s) once charging is complete.



Image 4.2: An illustration of the scooter's 60V 28Ah high-capacity lithium battery, providing a range of up to 55 miles.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

To power on the scooter, press and hold the power button on the intelligent acceleration meter. To power off, press and hold the same button until the display turns off.

5.2 Display Functions

The intelligent acceleration meter provides real-time information:

- **Speed Display:** Shows current riding speed.

- **Mileage Records:** Tracks trip distance and total mileage.
- **Voltage Display:** Indicates current battery voltage.
- **Gear Indicator:** Shows the selected speed mode (1, 2, or 3).
- **Fault Prompts:** Displays error codes if a system issue is detected.

5.3 Speed Modes and Motor Selection

The scooter features three adjustable speed gears and a single/dual motor switch.

- **Gear Selection:** Use the gear button on the display to cycle through the three speed modes. Start with lower gears until you are comfortable with the scooter's power.
- **Single/Dual Drive Switch:** Located on the handlebars, this switch allows you to toggle between single motor (for efficiency) and dual motor (for maximum power and speed) operation.

5.4 Braking System

The AiQite YS6 is equipped with front and rear oil pressure disc brakes for reliable stopping power.

- Apply both brake levers gently and evenly for smooth deceleration.
- Avoid sudden, hard braking, especially at high speeds, to prevent loss of control.



Image 5.1: A visual representation of the hydraulic brake system, emphasizing its dual piston drive for stable and effective braking.

5.5 Lighting System

The scooter features a comprehensive lighting system for safety during nighttime rides.

- **Headlights:** Dual U7LED spotlights provide a long irradiation distance.
- **Taillights:** Include brake lights (illuminate when braking), turn signals (for indicating turns), and driving lights (constant illumination).
- Activate lights using the dedicated switch on the handlebars.



Image 5.2: The AiQite YS6 Electric Scooter with its full lighting system engaged, demonstrating visibility for night riding.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your scooter.

6.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery before recharging.
- Store the scooter in a cool, dry place when not in use, with the battery charged to approximately 50-70%.
- Do not expose the battery to extreme temperatures.

6.2 Tire Maintenance

- Check tire pressure before each ride. Maintain recommended pressure for optimal performance and safety.
- Inspect tires for wear, punctures, or damage. Replace worn tires promptly.

6.3 Brake System Check

- Regularly check brake levers for proper tension and responsiveness.
- Inspect brake pads for wear. Replace them if they are thin or worn.
- Ensure brake discs are clean and free from oil or grease.

6.4 General Cleaning and Inspection

- Clean the scooter with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- Periodically check all bolts and fasteners for tightness.
- Inspect the frame for any signs of damage or cracks.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
Scooter does not power on	Low battery; loose connections; power button issue	Charge battery; check all visible connections; contact support if issue persists.
Reduced range or power	Undercharged battery; tire pressure too low; heavy load; riding uphill frequently	Fully charge battery; inflate tires to recommended pressure; reduce load; use appropriate gear.
Brakes feel weak or spongy	Worn brake pads; air in hydraulic line; low brake fluid	Inspect and replace brake pads; consult a professional for hydraulic system maintenance.
Unusual noises during operation	Loose components; debris in wheels; motor issue	Check for loose bolts; inspect wheels for foreign objects; contact support if motor noise persists.

8. SPECIFICATIONS

Detailed technical specifications for the AiQite YS6 Electric Scooter.

Feature	Specification
Model Name	YS6
Motor Power	Dual 3000W Brushless Hub Motors (6000W Total)
Battery	60V 28Ah Lithium Battery
Max Speed	Up to 55 mph (88 km/h)
Max Range	Up to 55 miles (88 km)
Climbing Ability	Up to 45°
Tires	11-inch Off-Road Pneumatic Tires
Brake System	Front and Rear Oil Pressure Disc Brakes
Suspension	Dual Front and Rear Suspension
Frame Material	Aviation Aluminum Alloy and Carbon Steel
Max Load Capacity	800 lbs (362 kg)

Feature	Specification
Item Weight	112 lbs (50.8 kg)
Charging Time	Approximately 5 hours (with dual charging)
Handlebar Height	Adjustable, up to 51 inches (129.5 cm)
Special Features	Digital Display, Dual Braking System, Dual Charging Port, Foldable Design

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your AiQite YS6 Electric Scooter comes with the following warranty:

- **Frame:** 12 months (excluding human-induced damage).
- **Battery:** 180 days (excluding water ingress damage).
- **Controller:** 180 days (excluding water ingress damage).
- **Motor:** 180 days (excluding water ingress damage).
- **Charger:** 90 days.

Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact our customer service team. We aim to respond to inquiries within 24 hours.

- **Free Parts:** If a problem occurs within 180 days of product receipt, you may be eligible for free replacement parts.
- **Parts Ordering Service:** We provide a comprehensive parts ordering service for long-term maintenance of your scooter.

Refer to your purchase documentation or the seller's contact information for specific support channels.