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AMYET ARES-Camouflage

AMYET ARES Dual Motor Folding Electric Bike User Manual

Model: ARES-Camouflage | Brand: AMYET

1. PRODUCT OVERVIEW

The AMYET ARES Dual Motor Folding Electric Bike is designed for versatile riding across various terrains, offering a powerful and efficient commuting or adventure experience. It features dual 1000W high-torque motors, a long-lasting 52V 25AH removable battery, and a robust aluminum alloy frame with full suspension.



Figure 1: The AMYET ARES Dual Motor Folding Electric Bike in camouflage finish.

Key Features:

- **Dual Motor 3000W Peak:** Front and rear dual 1000W high-torque motors combined with a Shimano 7-speed transmission system for powerful acceleration and versatile speed control (10-35MPH). Capable of handling gravel, mud, mountain terrains, and 30° steep slopes.
- **Ultra-Long Battery Life:** Equipped with a 52V 25AH removable battery, providing a range of 26-80 miles depending on riding mode, load, and terrain. Features 3A HyperCharge for 0-100% in 5-7 hours and IP67 waterproof armor.
- **All-Weather Worry-Free Riding:** Front and rear hydraulic disc brakes for 1.8-second braking. Includes a 360° penetrating LED searchlight for improved night visibility. Features 24"x4.0 all-terrain fat tires with 3-layer puncture-proof tread and a three-level shock absorption system.

- **Intelligent Interactive Driving:** Full-color LED intelligent control instrument displays battery percentage, speedometer, mileage, and gear status. Offers E-Cruise/Boost mode switch for varied riding experiences.
- **Heavy-Duty Workhorse:** Constructed with an aviation-grade 6061 aluminum alloy frame, supporting up to 330 LBS. Designed for stability and durability.

Product Video Overview:

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Video 1: An overview of the AMYET Dual Motor Folding Electric Bike, highlighting its features and capabilities.

2. SETUP AND ASSEMBLY

Your AMYET ARES electric bike comes partially assembled. Follow these steps to complete the assembly and prepare for your first ride. It is recommended to watch the official installation video for visual guidance.

Assembly Steps:

1. **Unboxing and Inspection:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged. The package includes the e-bike body, front wheel, charger, user manual, toolkit, mudguard, front light, and pedals.
2. **Handlebar Installation:** Attach the handlebars to the stem using the provided hex wrenches from the toolkit. Ensure they are centered and securely tightened.
3. **Front Wheel Attachment:** Install the front wheel onto the front fork. Align the disc brake rotor with the caliper and secure the wheel using the quick-release mechanism or axle nuts, ensuring it is firmly seated.
4. **Front Light Installation:** Mount the front light to the designated bracket on the front fork or handlebar stem and connect its cable.
5. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Use a wrench to securely attach them to the crank arms.
6. **Battery Insertion:** If the battery is separate, carefully slide it into its compartment on the frame until it clicks into place. Ensure it is locked securely.
7. **Initial Charge:** Before your first ride, fully charge the battery using the provided charger. Connect the charger to the bike's charging port and then to a power outlet. The indicator light on the charger will show charging status.
8. **Pre-Ride Checks:** Before riding, check tire pressure, brake functionality (front and rear), and ensure all bolts and quick releases are tightened. Adjust the seat height for comfortable riding.

Installation Video:

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Video 2: Step-by-step guide for assembling the AMYET ARES Folding Electric Bike.

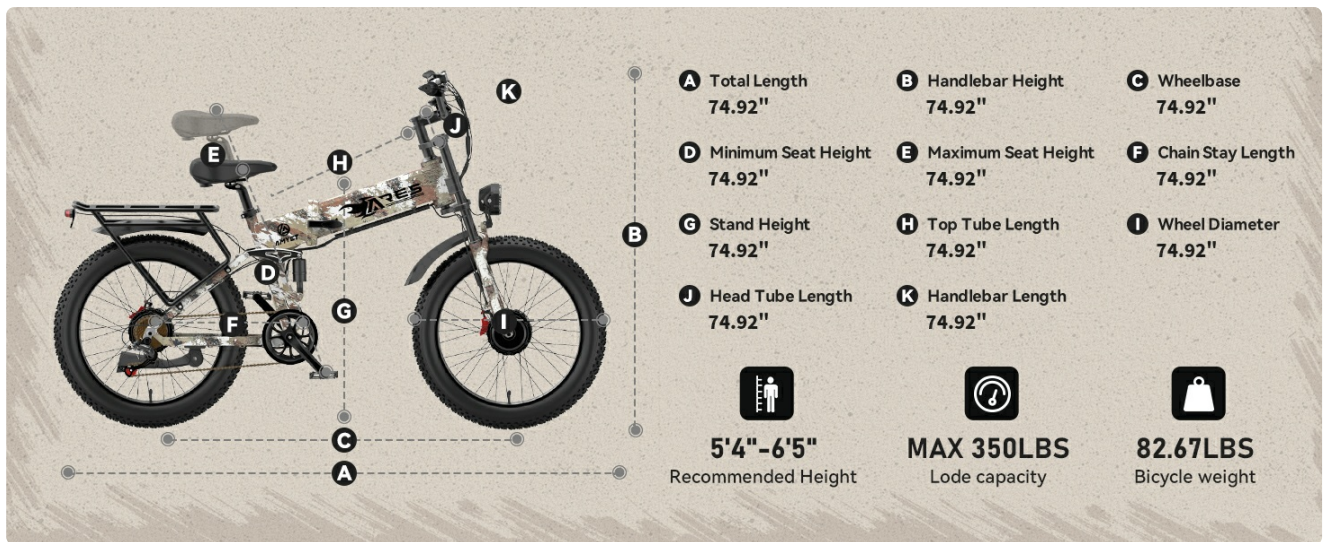


Figure 2: Detailed dimensions of the AMYET ARES E-bike for proper setup and fit.

3. OPERATING INSTRUCTIONS

Understand how to effectively operate your AMYET ARES electric bike to maximize performance and safety.

Powering On/Off:

- To power on, press and hold the power button on the intelligent control instrument until the display illuminates.
- To power off, press and hold the power button again until the display turns off.

Riding Modes:

The bike offers multiple riding modes to suit your preference and terrain:

- **Pedal Assist Mode (PAS):** Provides electric assistance as you pedal. Adjust the assist level (1-5) using the '+' and '-' buttons on the control panel. Higher levels provide more assistance.
- **Full Electric Mode (Throttle):** Engage the throttle (twist grip on the handlebar) to ride without pedaling. This mode consumes battery faster.
- **Manual Mode:** Ride the bike like a traditional bicycle without any electric assistance.

Gear Shifting (Shimano 7-speed):

Use the Shimano 7-speed shifter on the handlebar to change gears. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding. Shift smoothly to avoid strain on the drivetrain.



Shimano 7-speed

Professional gear shifting system with a wide gear ratio range to meet various riding needs. It can be ridden at high speed on flat roads, and can also be easily handled uphill or against the wind, saving energy. Its gear shifting is precise and smooth, and the operation is simple. You can easily shift gears by finger shifting.

Figure 3: Close-up of the Shimano 7-speed gear system, allowing for versatile riding.

Braking System:

The bike is equipped with front and rear hydraulic disc brakes. Squeeze both brake levers simultaneously for effective and safe stopping. Avoid sudden, hard braking, especially at high speeds.

HYDRAULIC DISC BRAKE

1 Second Braking Ensuring Your Safety



Figure 4: Illustration of the hydraulic disc brake system for reliable stopping power.

Folding Mechanism:

To fold the bike for storage or transport, locate the folding latch on the frame. Follow the instructions in the user manual to safely unlock and fold the frame. Ensure the latch is securely re-engaged when unfolding.

EASY CHARGE FOLD STORAGE



**3A Hyper
Charge**



**5-6H
Fully Charge**



**IP67
Waterproof**



Figure 5: The e-bike in its folded state, demonstrating its compact storage capability.

4. MAINTENANCE

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

Battery Care:

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use only the original AMYET charger provided with your bike.

Tire Maintenance:

- Check tire pressure before each ride. Maintain pressure within the recommended range (usually printed on the tire sidewall).
- Inspect tires for wear, cuts, or punctures regularly.
- The 24"x4.0 all-terrain fat tires are designed for durability, but proper inflation is crucial for performance and puncture resistance.

Brake System:

- Regularly check brake pads for wear and replace them when necessary.
- Ensure brake levers provide firm and consistent braking. If they feel spongy, the hydraulic system may need bleeding or adjustment by a qualified technician.
- Keep brake rotors clean and free from oil or grease.

Drivetrain (Chain and Gears):

- Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- Inspect the chain for excessive slack or damage.
- Periodically check the alignment of the Shimano 7-speed derailleur.

General Cleaning:

- Clean the bike regularly with a damp cloth. Avoid high-pressure washing, especially near electrical components.
- Do not use harsh chemicals that could damage the paint or components.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your AMYET ARES electric bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, battery not properly seated, power cable loose.	Ensure battery is fully charged. Check if the battery is securely inserted and locked. Verify all electrical connections are firm.
Motor not providing assist/power.	Low battery, assist level set to zero, brake lever engaged, motor connection loose.	Check battery level and recharge if low. Increase pedal assist level on the display. Ensure brake levers are fully released. Inspect motor cable connections.
Brakes feel weak or spongy.	Worn brake pads, air in hydraulic lines, low brake fluid.	Inspect and replace worn brake pads. If hydraulic, bleeding the brake system or refilling fluid may be required by a professional.
Gears are not shifting smoothly.	Dirty/dry chain, misaligned derailleur, damaged shifter cable.	Clean and lubricate the chain. Adjust the derailleur (refer to a bike repair guide or seek professional help). Check shifter cable for fraying or damage.
Unusual noises during riding.	Loose components, rubbing brakes, worn bearings, chain issues.	Inspect all bolts and quick releases for tightness. Check if brake pads are rubbing against rotors. Lubricate chain. If noises persist, consult customer support.

If the problem persists after attempting these solutions, please contact AMYET customer support.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Bike Type	Folding Bike, Electric Bike
Model Name	ARES-Camouflage
Brand	AMYET
Motor Power	Dual 1000W (3000W Peak)
Battery	52V 25AH Removable Lithium Battery
Charging Time	5-7 Hours (3A HyperCharge)
Range	26-80 miles (depending on mode/terrain)
Top Speed	32mph (5-speed intelligent regulation)
Gears	Shimano 7-Speed
Brake Style	Hydraulic Disc Brakes (Front & Rear)
Wheel Size	24 Inches
Tires	24"x4.0 All-Terrain Fat Tires
Frame Material	Aviation-Grade 6061 Aluminum Alloy
Suspension Type	Dual (Front & Rear)
Maximum Weight Recommendation	330 Pounds
Bicycle Weight	82.7 Pounds
Special Features	Digital Display, Multi-Speed, Dual Suspension, Foldable, Rechargeable, IP67 Waterproof
Included Components	Mudguard, Ebike Body, Tool Kit
Recommended Height	5'5" - 6'5"

7. WARRANTY INFORMATION

The AMYET ARES Dual Motor Folding Electric Bike comes with a manufacturer's warranty to cover defects in materials and workmanship.

- **Warranty Type:** Limited
- **Warranty Description:** 1 Year Manufacturer Warranty

Please retain your original packaging for at least 30 days after receiving the goods, as it may be required for returns or warranty claims.

For detailed terms and conditions of the warranty, please refer to the documentation included with your product or

contact AMYET customer support.

8. CUSTOMER SUPPORT

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

- **Manufacturer:** AMYET
- **Seller:** AMYET Ebike Direct
- **Online Store:** Visit the AMYET Store on Amazon

When contacting support, please have your product model name (ARES-Camouflage) and purchase details ready to expedite the process.