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› AMYET V9-G60 Electric Bike User Manual

## AMYET V9-G60

# AMYET V9-G60 Electric Bike User Manual

Model: V9-G60 | Brand: AMYET

## 1. INTRODUCTION

Welcome to the user manual for your AMYET V9-G60 Electric Bike. This manual provides essential information for the safe operation, maintenance, and optimal performance of your e-bike. Please read it thoroughly before your first ride and keep it for future reference. The AMYET V9-G60 is designed for adults, offering a powerful and comfortable riding experience across various terrains, including mountains, snow, sand, and road.



Figure 1.1: The AMYET V9-G60 Electric Bike, showcasing its robust design and fat tires.

## 2. SAFETY GUIDELINES

Your safety is paramount. Always adhere to the following guidelines:

- **Wear a Helmet:** Always wear an approved bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect brakes, tire pressure, battery level, and ensure all components are secure.
- **Obey Traffic Laws:** Follow all local traffic laws, regulations, and road signs.
- **Visibility:** Use the integrated headlights and taillights, especially during low-light conditions or at night. Consider wearing reflective clothing.
- **Weather Conditions:** Exercise caution when riding in wet, snowy, or icy conditions. The fat tires provide enhanced grip, but slippery surfaces still pose risks.

- **Weight Limit:** Do not exceed the maximum weight recommendation of 330 pounds.
- **No Stunts:** Avoid performing stunts or aggressive riding that could damage the bike or cause injury.

### 3. COMPONENTS OVERVIEW

Familiarize yourself with the key components of your V9-G60 Electric Bike:

#### 3.1. Motor

The V9-G60 is equipped with a powerful 1000W brushless motor, capable of a peak output of 1500W. This motor provides strong acceleration and allows the bike to reach speeds up to 32 MPH, making it suitable for various terrains and inclines.

## Powerful 48V 1500W Hill Conqueror

 **28MPH**  
Top Speed

 **30°**  
Climbing Angle



### Peak Power

<b>V9-G90</b>	48V System 80N.m	<b>1500W Peak</b>
<b>Others</b>	48V System 50N.m	<b>700W Peak</b>

Figure 3.1: Illustration of the powerful 48V 1500W peak motor, highlighting its hill-conquering capabilities.

## 1500W Brushless Geared Hub Motor

Experience superior performance with the 1500W motor, delivering an impressive 100Nm of torque for effortless climbs up 30° inclines and smooth rides against the wind.

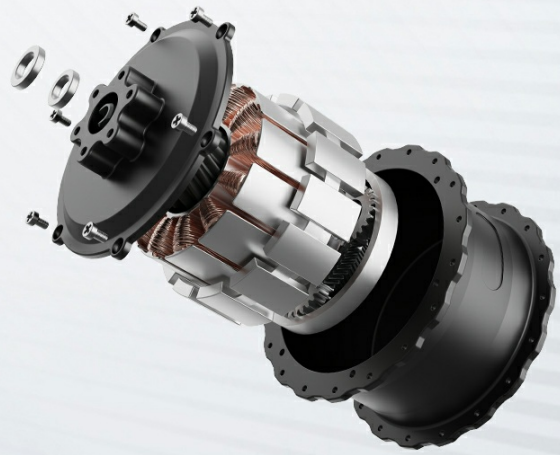
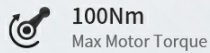


Figure 3.2: Close-up of the 1500W brushless geared hub motor, designed for efficient power delivery.

### 3.2. Battery

The V9-G60 features a detachable 48V 20Ah (960WH) battery. This high-capacity battery provides an impressive range of 30-70 miles on a single charge, depending on riding conditions and assist level. It can be recharged in approximately 7-8 hours.

# 48V 20Ah **UPGRADED BATTERY CAPACITY**



**BMS**  
charging safety



**2**  
charging modes



**USB**  
charging port



**1000**  
cycle times



**30-70**  
miles for long  
distance driving



**7-8**  
hours  
charging time



Figure 3.3: The 48V 20Ah battery with key specifications, including its removable design and charging capabilities.



### 960Wh High-Efficiency Battery

Equipped with a powerful 48V 20Ah battery, the delivers an impressive 70-mile range per charge. Experience the thrill of the ride, conquer city streets, and embrace endless exploration.

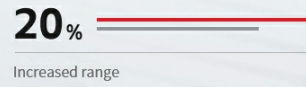
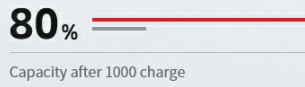


Figure 3.4: Visual representation of the 960Wh battery's capacity and impressive range.

### 3.3. Frame

Crafted from premium 6061 aluminum alloy, the V9-G60's frame offers a perfect balance of lightweight resilience and exceptional durability. Its corrosion-resistant properties ensure reliable performance across a wide range of terrains, supporting a payload capacity of up to 330 pounds.



### Aerospace-grade aluminum Frame

Crafted from premium 6061 aluminum alloy, our frames boast a perfect balance of lightweight resilience and exceptional durability. Their corrosion-resistant properties ensure reliable performance across a wide range of terrains, making them a long-lasting choice for your adventures.

**330lbs**  
Payload Capacity

**84lb**  
Weight (with battery)

**2**  
Each Ink Frame Unique

Figure 3.5: The robust aerospace-grade aluminum frame, highlighting its strength and lightweight design.

### 3.4. Tires

The bike is equipped with 20-inch by 4-inch fat tires, providing unparalleled stability and traction. These all-terrain tires ensure a stable ride on various surfaces, including snow, mountain roads, sandy beaches, and flat roads.

# 20\*4 Inch

## All terrain Fat Tire



**Snow Road**



**Mountain Road**



**Beach Road**



**Flat Road**



Figure 3.6: The 20x4 inch all-terrain fat tires, designed for superior grip and stability on diverse surfaces.

## The All-terrain Fat Tire

Equipped with 20" x 4" fat tires, these wheels offer exceptional grip and traction on rugged roads, ensuring a stable ride even in the most challenging terrains and weather conditions. They are designed to provide you with a smooth and enjoyable riding experience, enhancing your safety and confidence on the go.



Figure 3.7: The versatility of the all-terrain fat tires across different environments.

## 3.5. Suspension

Enjoy a bump-free ride with the full suspension system, featuring a 140mm inverted front fork and a 47mm adjustable rear shock. This dual suspension effectively absorbs bumps and shocks, ensuring comfort even on rough terrain.



### Full Suspension

Enjoy a bump-free ride with the full suspension, boasting a 140mm inverted front fork and a 47mm adjustable rear shock, ensuring comfort on rough terrains.

Figure 3.8: Components of the full suspension system for enhanced riding comfort.

## 3.6. Brakes

The V9-G60 is equipped with 160MM mechanical disc brakes, providing ample and reliable braking force. This system ensures confident stopping power in various conditions.



### **Shimano 7 Speed Gear Shift System**

The Shimano 7 speed freewheel means you can shift to a larger cog for uphill riding and downshift to a smaller cog for high speed riding. In combination with the pedal-assist system, you can adjust the most suitable speed to complete your journey.



### **160MM Mechanical Disc Brakes**

Sensitive 160MM mechanical disc brakes provide ample braking force even in the harshest conditions efficiently.

Figure 3.9: The 160MM mechanical disc brakes, ensuring reliable stopping power.

## **3.7. Digital LCD Display**

Stay informed with the intelligent LCD display screen, which provides real-time information on your speed, mileage, power output, riding mode, and lighting status. It also features USB charging, error code display, function set, state of riding, and fault warnings.

# Intelligent Display System

  
Speed

  
Mileage

  
Power

  
Riding Mode

  
lighting



Figure 3.10: The intelligent LCD display system, providing comprehensive ride data.



Figure 3.11: Overview of the digital display's various functions and indicators.

### 3.8. Controls

The V9-G60 features a 7-speed gear system with a Shimano 7-Speed Shifter Gear Key, allowing you to effortlessly shift gears according to road conditions. The twist-grip throttle provides easy acceleration. Handlebar controls also include buttons for headlights, rear turn signals, electric horn, and bike switch with 5-speed switch.



Figure 3.12: Ergonomic handlebar controls for intuitive operation.



Figure 3.13: Close-up of the 7-speed gear shifter and twist-grip throttle.

### 3.9. Lights

The V9-G60 is equipped with a 48V high-brightness front light to enhance visibility and safety, illuminating the path ahead. Frame-integrated taillights illuminate automatically upon braking, and rear turn signals alert others to your presence.



#### 48V High-brightness Front Light

Enhances visibility and safety, illuminating the path ahead to better reveal unforeseen road conditions.



#### Auto-illuminating Brake Light

Frame-integrated taillights illuminate automatically upon braking, enhancing safety and visibility for night riding.

Figure 3.14: Front and rear lighting system for improved safety and visibility.

### 3.10. Saddle

The durable and comfortable saddle is designed to accommodate riders of all heights for the perfect posture, reducing fatigue during long rides.



#### Durable and comfortable saddle

Experience tailored comfort with our saddle, designed to accommodate riders of all heights for the perfect posture. Enjoy a flexible, cozy ride on every journey.

Figure 3.15: The ergonomically designed saddle for maximum comfort.

## 4. SETUP

The AMYET V9-G60 Electric Bike comes 90% pre-assembled, allowing for quick and effortless setup. The included tool kit contains everything needed for the final assembly steps.

### 4.1. Unboxing and Initial Inspection

1. Carefully remove the bike and all components from the packaging.

2. Inspect for any shipping damage. Contact customer support immediately if any damage is found.
3. Verify all included components: Manual, AMYET V9-G60 Electric Bike, Charger, Tool Kit.

## 4.2. Final Assembly Steps

1. **Install Handlebars:** Attach the handlebars to the stem and tighten securely using the provided tools.
2. **Attach Pedals:** Identify left (L) and right (R) pedals. Thread them into the crank arms (left pedal counter-clockwise, right pedal clockwise) and tighten firmly.
3. **Install Front Wheel:** Secure the front wheel into the fork dropouts and tighten the axle nuts.
4. **Adjust Seat:** Adjust the saddle height to a comfortable riding position, ensuring your feet can touch the ground when stopped.
5. **Install Fenders (if separate):** Attach front and rear fenders if they are not pre-installed.

## 4.3. Initial Battery Charge

Before your first ride, fully charge the battery. The battery can be charged while installed on the bike or removed.

1. Connect the charger to a standard power outlet. The charger indicator light will turn green.
2. Connect the charger output plug to the battery charging port. The charger indicator light will turn red, indicating charging is in progress.
3. Once fully charged (approx. 7-8 hours), the charger indicator light will turn green. Disconnect the charger.

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Video 4.1: An overview of the AMYET V9-G60 Electric Bike, demonstrating its features and initial setup.

# 5. OPERATING YOUR E-BIKE

## 5.1. Powering On/Off

To power on the bike, press and hold the power button on the LCD display. To power off, press and hold the power button again.

## 5.2. Riding Modes

The V9-G60 offers three working modes:

- **Pure Electric Mode:** Use the twist-grip throttle for motor-only propulsion.
- **Pedal-Assist Mode:** The motor provides assistance as you pedal. Adjust the assist level using the '+' and '-' buttons on the handlebar controls.
- **Pure Pedal Mode:** Ride the bike like a traditional bicycle without motor assistance.

## 5.3. Gear Shifting

Utilize the Shimano 7-speed gear system to adapt to different terrains and riding preferences. Shift gears using the shifter on the right handlebar.

## 5.4. Braking

Apply both front and rear brake levers simultaneously for effective and safe stopping. The mechanical disc brakes provide strong stopping power.

## 5.5. Using Lights and Horn

Activate the front headlight and rear turn signals using the dedicated buttons on the handlebar controls. The electric horn can be used to alert pedestrians or other riders.

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Video 5.1: A demonstration of the V9-G60 Peak 1500W Ebike in action, showcasing its performance and features.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your e-bike.

### 6.1. Battery Care

- Charge the battery fully after each ride, especially if it's been heavily used.
- Avoid completely draining the battery.
- If storing the bike for an extended period, charge the battery to 50-70% and recharge every 1-2 months.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.

### 6.2. Tire Pressure

Check tire pressure before each ride. Maintain the recommended PSI (pounds per square inch) as indicated on the tire sidewall for optimal performance and safety. Fat tires typically require lower pressure than standard bike tires.

### 6.3. Brake Inspection

Regularly inspect brake pads for wear and replace them when necessary. Ensure brake levers are firm and responsive. Adjust brake cables if there is excessive slack.

### 6.4. Chain Lubrication

Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust. Apply bicycle-specific chain lubricant periodically, especially after riding in wet or dusty conditions.

### 6.5. General Cleaning

Clean your e-bike regularly with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components.

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Video 6.1: A detailed look at the AMYET V9-G60 1000W 48V25AH Electric Bike, highlighting its features and components.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your V9-G60 Electric Bike.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bike not powering on	Battery not charged; Battery not properly seated; Power button not pressed correctly.	Charge battery fully; Ensure battery is securely locked in place; Press and hold power button until display activates.
Motor not assisting/engaging	Battery low; Riding mode incorrect; Loose motor cable connection.	Charge battery; Switch to pedal-assist or pure electric mode; Check motor cable connections.
Brakes squeaking or not effective	Brake pads worn; Disc rotor dirty; Brake cable loose.	Inspect and replace brake pads; Clean disc rotors with rubbing alcohol; Adjust brake cable tension.
Flat tire	Puncture; Low tire pressure.	Inspect tire for punctures and repair/replace inner tube; Maintain correct tire pressure.

For issues not listed here or if solutions do not resolve the problem, please contact AMYET customer support.

## 8. SPECIFICATIONS

Feature	Detail
Bike Type	Fat Tire, Electric Bike
Model Name	V9-G60
Brand	AMYET
Motor	Peak 1500W Brushless Motor
Battery	48V 20Ah (960WH) Removable Battery
Max Speed	Up to 32 MPH
Range	30-70 Miles (per charge)
Charging Time	7-8 Hours
Wheel Size	20 Inches
Wheel Width	4 Inches (Fat Tire)
Frame Material	Aluminum (6061)
Suspension Type	Dual (Front & Rear Shock Absorber)
Brake Style	Disc (160MM Mechanical Disc Brakes)
Number of Speeds	7 (Shimano 7-Speed Gear)
Item Weight	84 Pounds
Maximum Weight Recommendation	330 Pounds

Feature	Detail
Special Features	Digital Display, Adjustable Handlebars, Headlight, Dual Disc Brake, Adjustable Seat, Rear Turn Signal
Included Components	Manual, AMYET V9-G60 Electric Bike, Charger, Tool Kit

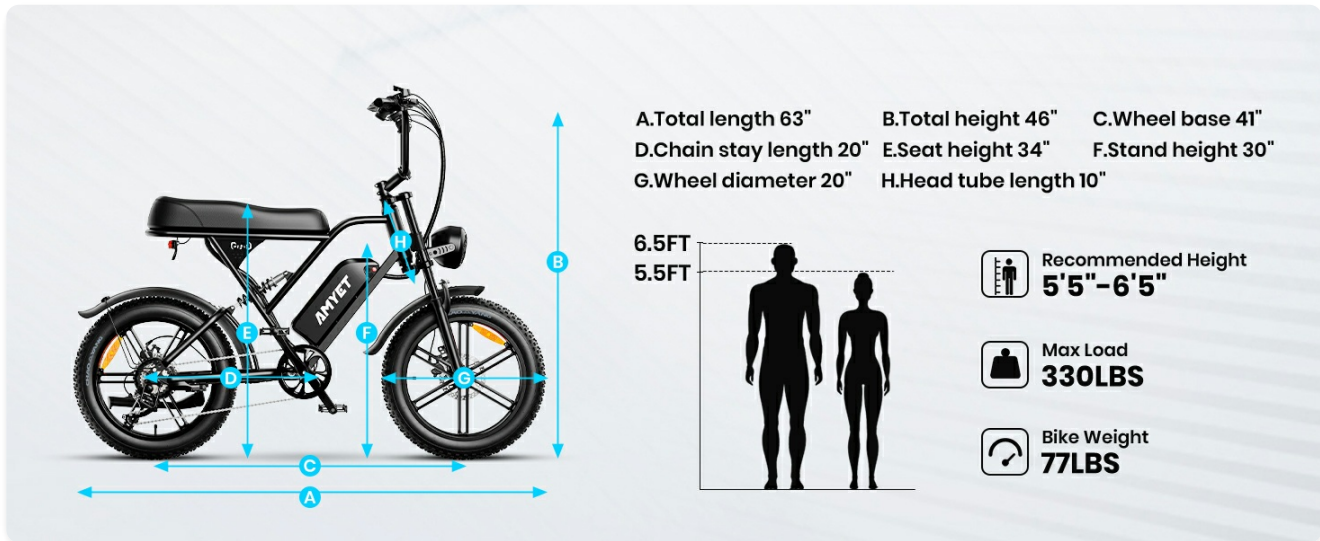


Figure 8.1: Key dimensions and recommended rider height for the V9-G60.

## 9. WARRANTY AND SUPPORT

AMYET provides a **12-Month Warranty** for your electric bike. You can claim your warranty or find more information on our official website or by contacting our support team.

- **Website:** [amyet.com](http://amyet.com)
- **Email Support:** [support@amyet.com](mailto:support@amyet.com)

Please have your purchase information and model number ready when contacting support.