Vipdrive Vipdrive Electric Bike

Vipdrive Electric Bike for Adults, 16" Fat Tire E-Bike Instruction Manual

Introduction

Welcome to the instruction manual for your new Vipdrive Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your e-bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local e-bike regulations and traffic laws. Regular inspection and maintenance are crucial for safe operation.

- Always check brake functionality before each ride.
- Ensure tires are properly inflated to the recommended pressure.
- Verify all bolts and quick releases are securely tightened.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Use front and rear lights when riding in low-light conditions.

Package Contents

Upon unboxing, please verify that all items listed below are present:

- 1x Electric Bike
- 1x Charger
- 1x User Manual
- 1x Tool Kit
- 1x Air Pump
- 1x Phone Holder
- 1x Bike Lock

Setup and Assembly

Your Vipdrive Electric Bike arrives 85% pre-assembled. Follow these steps to complete the assembly:

1. Unboxing and Initial Inspection

Carefully remove the bike and all components from the packaging. Inspect for any visible damage during transit.

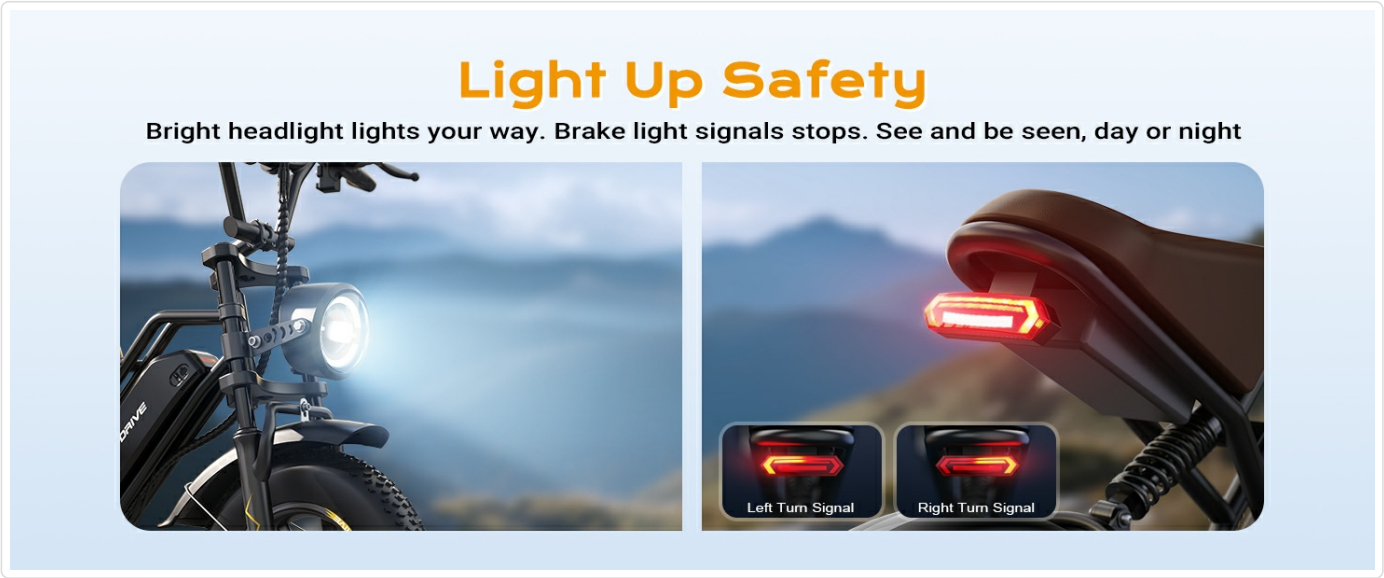


Figure 1: All components of the Vipdrive Electric Bike laid out after unboxing, including the main frame, wheels, and accessory boxes.

2. Handlebar Installation

Attach the handlebar to the stem using the provided hex key from the tool kit. Ensure it is centered and tightened securely.

Video 1: Detailed steps for installing the handlebar on the Vipdrive Electric Bike. Ensure all bolts are tightened to specification.

3. Front Wheel Installation

Carefully insert the front wheel into the fork. Align the disc brake rotor with the brake caliper. Secure the wheel with the axle nuts, ensuring they are tightly fastened.

Figure 2: The front wheel being installed onto the fork, with careful alignment of the disc brake rotor into the caliper.

4. Fender and Headlight Assembly

Attach the front and rear fenders using the provided hardware. Install the headlight onto the front fork and connect its electrical cable.



Figure 3: The front fender and headlight being securely attached to the bike's frame and fork.

5. Pedal Installation

Identify the left (L) and right (R) pedals. Screw them into the corresponding crank arms. The right pedal tightens clockwise, and the left pedal tightens counter-clockwise.



Figure 4: Proper installation of the left and right pedals onto the crank arms, ensuring correct threading direction.

6. Final Checks and Tire Inflation

Before riding, double-check all connections and ensure all bolts are tightened. Inflate the tires to the recommended pressure using the provided air pump.

Video 2: Comprehensive guide to completing the assembly of the Vipdrive Electric Bike, including final checks and tire inflation.

Operating Instructions

1. Powering On and Off

To power on the e-bike, long-press the 'O' button on the handlebar controls. The device will automatically shut down after 20 minutes of inactivity.

2. Riding Modes

Your e-bike features 3 adjustable riding modes:

- **Pure Electric Mode:** Utilizes the throttle for propulsion without pedaling.
- **Pedal Assist Mode (PAS):** Provides motor assistance as you pedal. Adjust PAS levels (1-5) via the handlebar controls.
- **Normal Bike Mode:** Functions as a traditional bicycle with no motor assistance.



Figure 5: Illustration of the three riding modes available on the Vipdrive Electric Bike: Pure Electric, Pedal Assist, and Normal Bike Mode.

3. LCD Display

The intelligent LCD display provides real-time cycling data:

- Current Speed (MPH)
- Battery Indicator
- Mileage (ODO/Trip)
- PAS Level (1-5)
- Headlight status

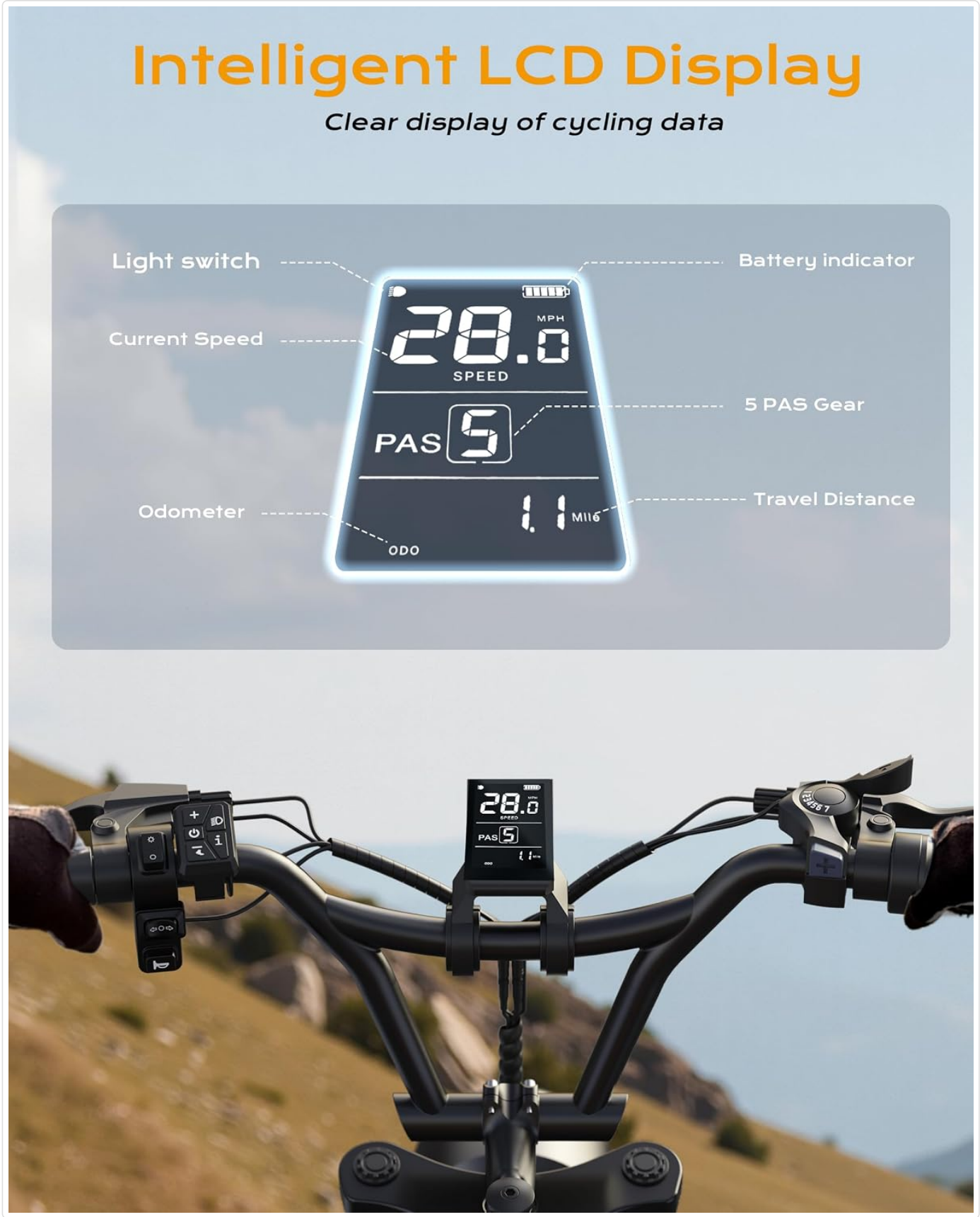


Figure 6: Close-up of the LCD display on the Vipdrive Electric Bike, showing current speed, battery level, and pedal assist level.

4. Handlebar Controls

The left handlebar features controls for safety and assistance:

- **Headlight Switch:** Activates the integrated front headlight.
- **Horn:** Engages the integrated horn for alerts.
- **Turn Signals:** Left and right turn signals for indicating direction.

- **PAS Level Adjustment:** Buttons to increase or decrease pedal assist levels.



Figure 7: The integrated front headlight and rear turn signals of the Vipdrive Electric Bike, enhancing visibility and safety.

Battery Information

Your e-bike is equipped with a high-capacity 48V 13AH removable battery.

- **Range:** Offers an impressive 25-50 miles per charge, depending on riding mode and terrain.
- **Charging:** The battery can be charged while installed on the bike or removed for convenience. Full charge typically takes 3-6 hours.
- **Security:** The removable design includes a lock for security.

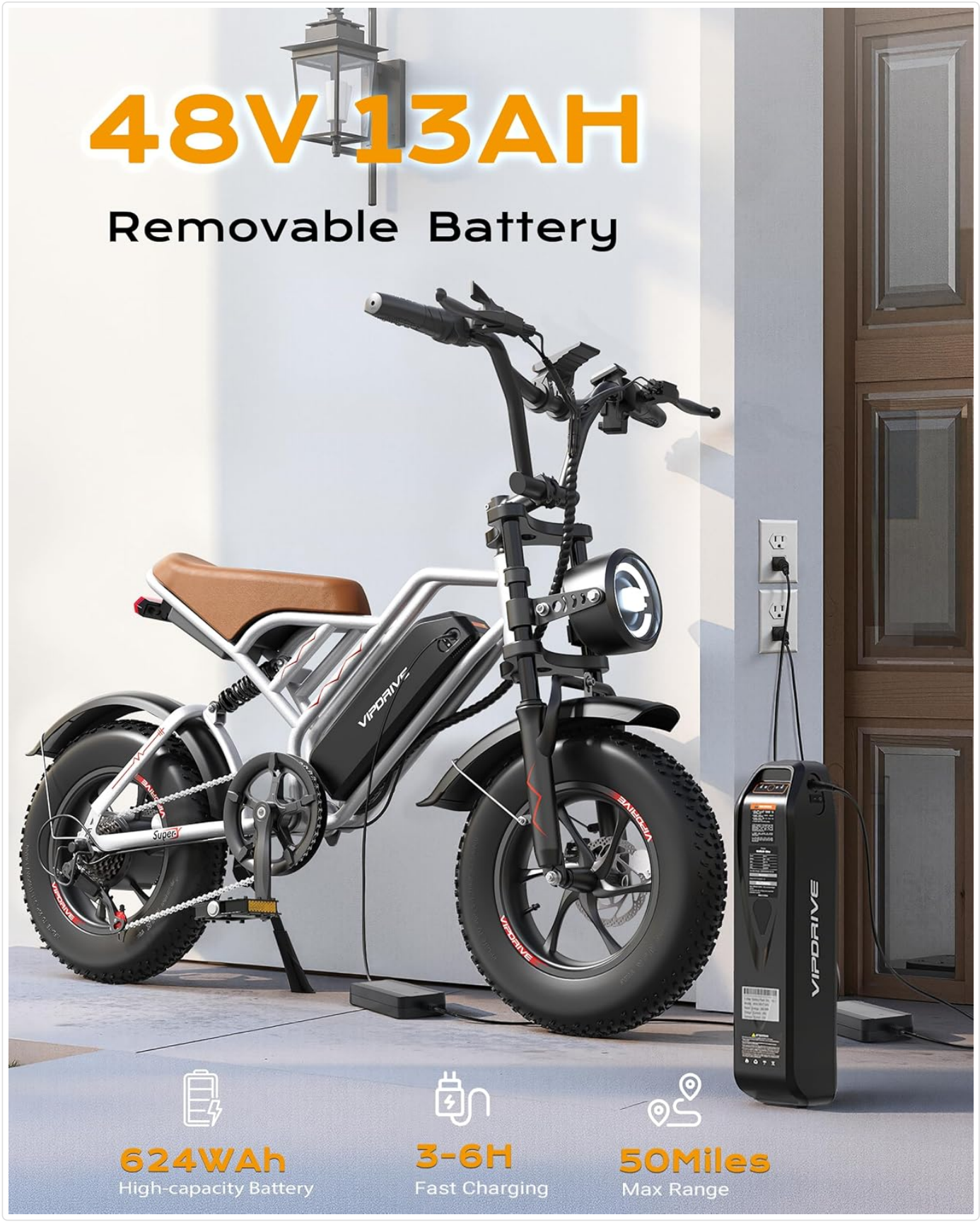


Figure 8: The 48V 13AH removable battery of the Vipdrive Electric Bike, shown both installed and detached for charging.

Maintenance

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

- **Tires:** Check tire pressure weekly. Recommended pressure is typically indicated on the tire sidewall.
- **Brakes:** Inspect brake pads for wear and ensure brake levers engage smoothly. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Battery:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to prolong its lifespan.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

Troubleshooting

If you encounter issues, refer to the following common troubleshooting tips:

- **No Power:** Check if the battery is properly seated and charged. Ensure the power key is turned to the 'on' position.
- **Motor Not Assisting:** Verify the PAS level on the LCD display. Ensure all motor connections are secure.
- **Brakes Squealing:** Clean brake rotors and pads. If squealing persists, brake pads may need replacement or adjustment.
- **Error Codes:** Consult the detailed user manual for specific error code meanings and solutions.

Specifications

Feature	Specification
Bike Type	Electric Bike
Age Range	Adult
Brand	Vipdrive
Motor	750W Peak (500W Continuous)
Top Speed	25 MPH
Battery	48V 13AH Removable Lithium (624 Watt Hours)
Range	25-50 Miles per charge
Gears	7 Speed
Wheel Size	16 Inches (4 Inches Wheel Width)
Frame Material	Aluminum
Suspension Type	Dual
Brake Style	Disc
Maximum Weight Recommendation	120 Kilograms

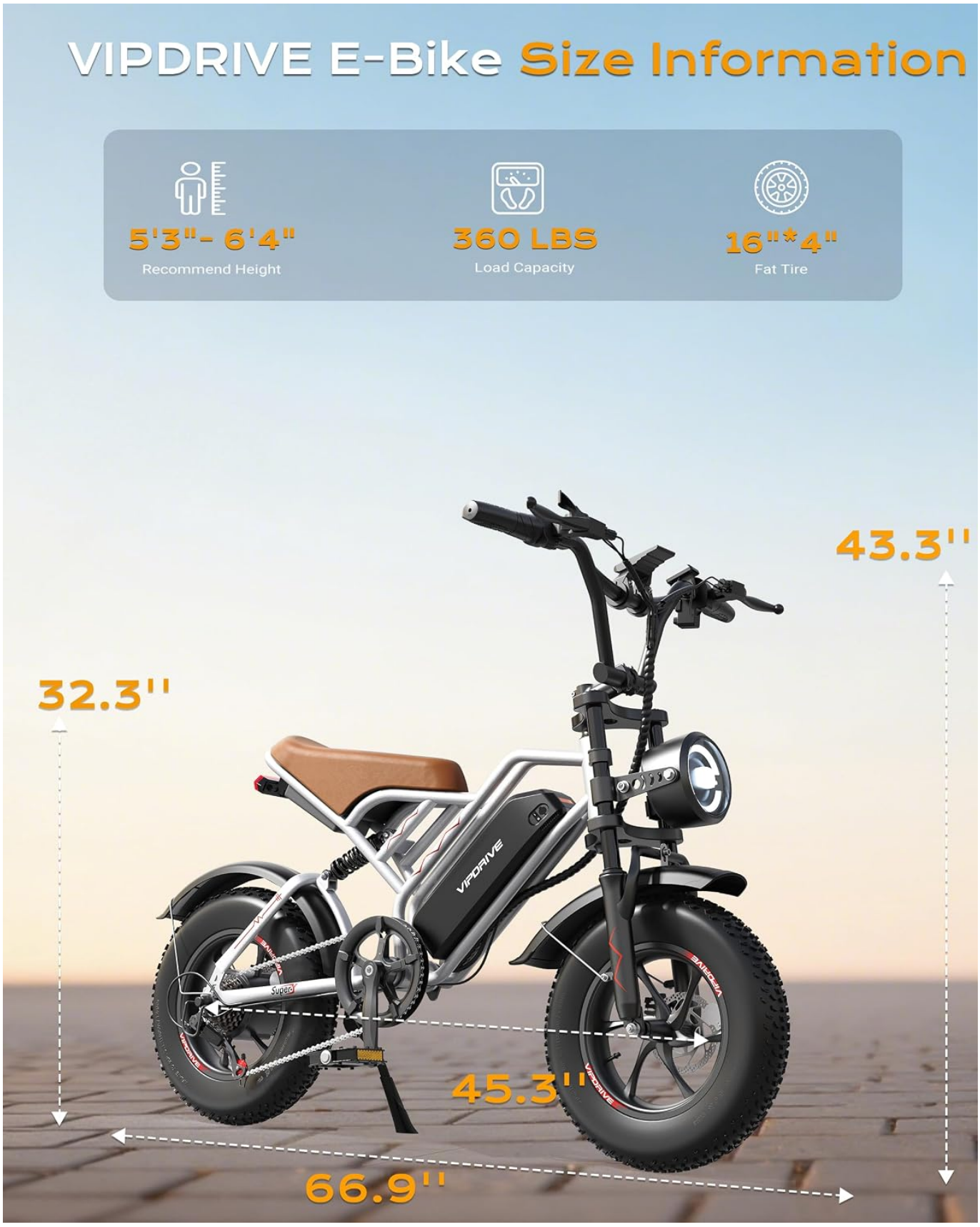


Figure 9: Detailed dimensions and recommended rider height for the Vipdrive Electric Bike.

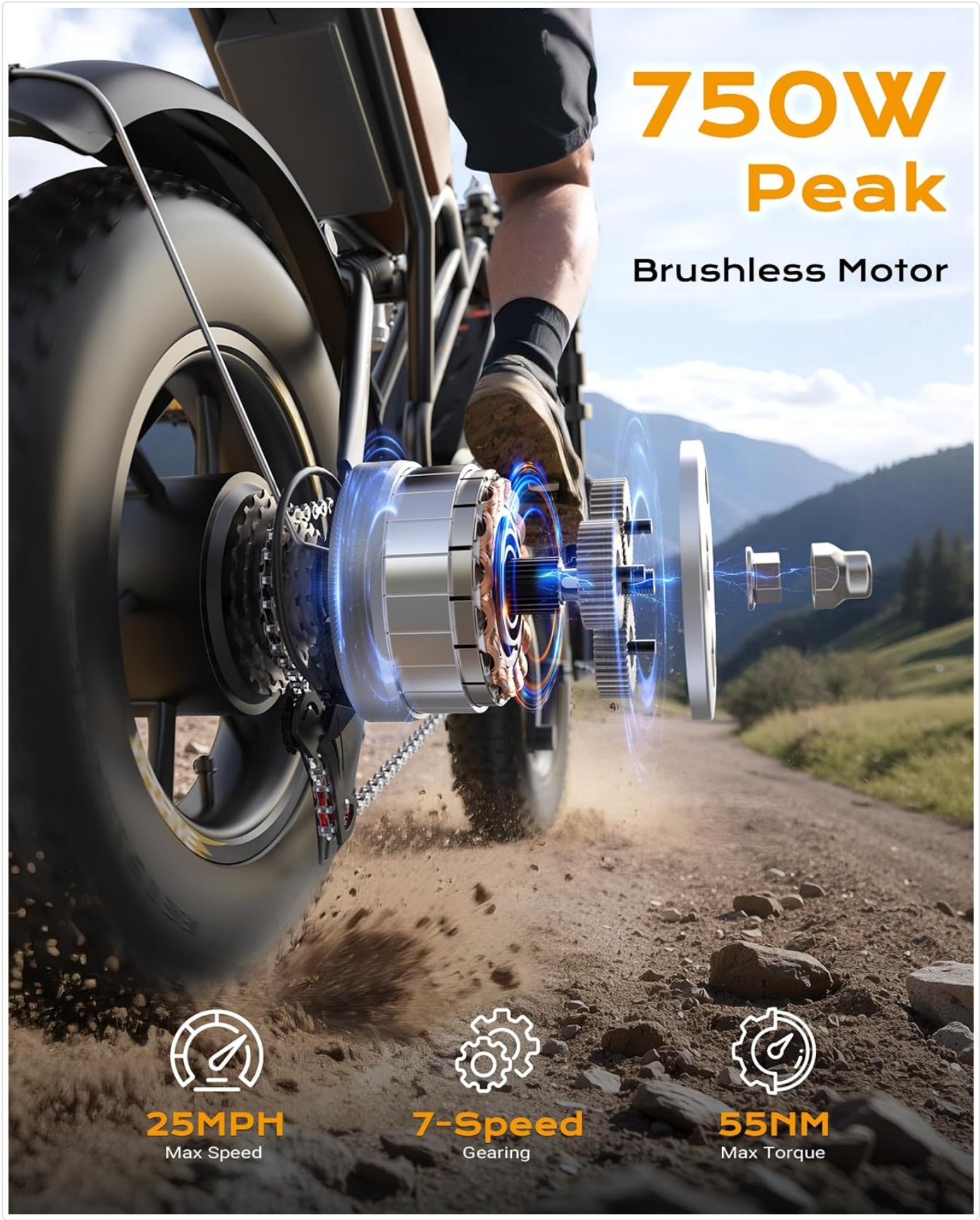


Figure 10: Close-up view of the 750W peak brushless motor and 7-speed gearing system.



Figure 11: The dual suspension system and wide soft saddle designed for comfort and all-terrain adaptability.



Figure 12: The 16-inch fat tires providing excellent grip and adaptability across various terrains including mountain roads, snow, sand, and city streets.

Warranty and Support

Your Vipdrive Electric Bike is covered by a full 1-year warranty. We also provide lifetime 24/7 technical support and instructional video services. If you encounter any issues, please reach out to our electric bike expert customer support team for assistance.

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

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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