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VOLTVOGUE VV16

VOLTVOGUE Electric eBike VV16 Instruction Manual

Model: VV16

Product Overview Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The VOLTVOGUE Electric eBike VV16 is a full-suspension electric bicycle designed for various terrains. It features a powerful 500W motor with a 1500W peak, a removable 48V 15.6AH (748Wh) lithium-ion battery, and 20-inch all-terrain fat tires. The eBike is equipped with LED headlights, disc brakes, and a smart LCD display for monitoring ride data.

Key features include:

- **Motor:** 500W continuous, 1500W peak brushless motor with 80 Nm torque.
- **Battery:** 48V 15.6AH (748Wh) removable lithium-ion battery, offering 25-68 miles range.
- **Speed:** Top speed of 25 mph, with 5 customizable speed levels.
- **Suspension:** Advanced full suspension system with four shock absorbers (front and rear).
- **Tires:** 20-inch x 4.0-inch all-terrain fat tires.
- **Gears:** 7-speed gear system with a brand-name derailleur.
- **Safety:** LED headlights, brake lights, turn signals, and disc brakes.
- **Convenience:** Smart cruise control, color LCD display, and a back seat for carrying goods or passengers.



Image 1.1: The VOLTVOGUE Electric eBike VV16, showcasing its robust design and features.

2. Setup

2.1 Unboxing and Initial Assembly

The VOLTVOGUE VV16 eBike arrives 90% pre-assembled to simplify the setup process. The package includes the eBike, backseat, battery, charger, user manual, tool kit, and a lock. Follow the instructions below for final assembly.

1. Carefully remove all components from the packaging.
2. Attach the handlebars, ensuring they are securely fastened and aligned.
3. Install the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and thread in opposite directions.
4. Mount the front wheel and secure the disc brake caliper.
5. Install the backseat onto the rear rack.
6. Insert the battery into its compartment and ensure it is locked securely.



Image 2.1: Close-up view of the eBike's front headlight, brake lights, disc brakes, and comfortable seat, illustrating key components for assembly and safety checks.

2.2 Battery Charging

Before your first ride, fully charge the battery. The charging time is approximately 6 hours. The battery can be charged while installed on the eBike or removed for indoor charging.

- Connect the charger to the battery charging port.
- Plug the charger into a standard electrical outlet.
- The charger indicator light will show the charging status (typically red for charging, green for fully charged).



Image 2.2: The removable 748Wh lithium-ion battery being charged, highlighting its convenience and capacity.

2.3 Assembly Guide Video

For a visual guide on assembling your VOLTVOGUE eBike, please refer to the video below:

▶ **Watch video online**
Complete assembly guide for Volt Vogue electric bike

Video 2.1: A complete assembly guide for the VOLTVOGUE electric bike, demonstrating step-by-step installation.

3. Operation

3.1 Powering On and Display

To power on the eBike, press and hold the power button on the handlebar-mounted LCD display. The display will show essential riding information.



Image 3.1: The color LCD display showing mileage, current speed, power remaining, startup mode, cruise status, and riding mode.

3.2 Riding Modes and Speed Control

The VV16 eBike offers multiple riding modes and precise speed control:

- **Bicycle Mode:** Ride like a traditional bicycle using pedal power only.
- **Pedal Assist (PAS) Mode:** The motor provides assistance as you pedal. There are 5 speed levels, ranging from 6 mph to 25 mph, which can be customized via the companion app.
- **Pure Electric Mode:** Use the throttle for motor-only propulsion without pedaling.

The 7-speed gear system, controlled by a brand-name derailleur, allows for smooth transitions and efficient riding across different terrains.

3.3 Smart Cruise Control

The eBike features a smart cruise control function for comfortable, effortless riding. To activate:

1. Maintain a steady speed for 8 seconds.

2. The cruise control function will automatically activate.
3. To exit cruise control, simply accelerate or apply the brakes.

3.4 Terrain Adaptability

Equipped with advanced full suspension and 20-inch fat tires, the VV16 is suitable for a variety of road conditions, including urban roads, mountain trails, snowy paths, and sandy beaches. The suspension system effectively absorbs vibrations for a comfortable ride.



Image 3.2: The 16"x4.0" fat tires are designed for various road conditions, including city, mountain, sand, and snow.



Image 3.3: The multi-damping system with front and rear shock absorbers provides a smooth ride over rough terrain.

3.5 Product Walkthrough Video

Watch this video for a detailed walkthrough of the VOLTVOGUE eBike's features and operation:

▶ **Watch video online**

Walkthrough the VOLTVOGUE BK20 e-bike with me!

Video 3.1: A comprehensive walkthrough of the VOLTVOGUE BK20 e-bike, detailing its various features and controls.

4. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your VOLTVOGUE eBike. While specific detailed maintenance schedules are not provided in this manual, general guidelines include:

- **Tire Pressure:** Check tire pressure before each ride and inflate to the recommended PSI.
- **Brakes:** Regularly inspect brake pads and discs for wear. Ensure brake levers are responsive and provide

adequate stopping power.

- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Battery:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to maintain its health. Avoid fully discharging the battery.
- **Fasteners:** Periodically check all bolts and fasteners for tightness, especially on critical components like handlebars, wheels, and seat.
- **Cleaning:** Clean the eBike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

5. Troubleshooting

This section provides general troubleshooting tips for common issues. For more complex problems, please contact VOLTVOGUE customer support.

- **eBike Not Powering On:**
  - Ensure the battery is fully charged and properly seated in its compartment.
  - Check that the battery is locked into place.
  - Verify all electrical connections are secure.
- **Motor Not Assisting/Working:**
  - Check the battery charge level on the LCD display.
  - Ensure you are in a pedal assist mode (PAS) or using the throttle correctly.
  - Inspect for any visible damage to motor cables.
- **Brakes Not Effective:**
  - Check brake pad wear.
  - Ensure brake cables are properly tensioned (for mechanical disc brakes).
  - Inspect brake discs for damage or contamination.
- **Unusual Noises:**
  - Inspect the chain for proper lubrication and tension.
  - Check for loose components or fasteners.
  - Examine wheels for any obstructions or damage.

6. Specifications

The following table details the technical specifications of the VOLTVOGUE Electric eBike VV16:

Feature	Specification
Model Number	VV16
Bike Type	Electric Bike
Motor	500W (1500W Peak) Brushless Motor
Battery	48V 15.6AH (748 Wh) Removable Lithium-ion

Feature	Specification
Top Speed	25 mph
Range	25-68 miles per charge
Charging Time	Approximately 6 hours
Wheel Size	20 inches
Tire Type	All-Terrain Fat Tires
Frame Material	Stainless Steel
Suspension Type	Dual (Front & Rear Shock Absorbers)
Number of Speeds	7
Brake Style	Disc
Max Load	330 lbs
Recommended Height	4'11" - 6'3"
Included Components	Backseat, Battery, Charger, User Manual, Tool Kit, Lock

6.1 Dimensions



Image 6.1: Detailed dimensions of the VOLTVOGUE eBike VV16, including height, length, and handlebar width.

6.2 Vehicle Specifications and Suspension Video

For a visual demonstration of the eBike's specifications and suspension system, please watch the video below:

▶ **Watch video online**
The vehicle's specifications and excellent suspension

Video 6.1: A demonstration highlighting the vehicle's specifications and the effectiveness of its suspension system.

7. Warranty & Support

7.1 Warranty Information

The VOLTVOGUE Electric eBike VV16 comes with a**1-year guarantee** covering the electric motor, battery, and charger from the date of purchase. This warranty covers manufacturing defects under normal use conditions.

Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For any questions, concerns, or technical assistance regarding your VOLTVOGUE eBike, please contact our customer support team. Refer to the contact information provided with your purchase documentation or visit the official VOLTVOGUE website for support details.

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.

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