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VOLTVOGUE VV20

VOLTVOGUE VV20 Electric E-Bike User Manual

Model: VV20

Introduction

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your VOLTVOGUE VV20 Electric E-Bike. Please read this manual thoroughly before your first ride and retain it for future reference. Understanding the contents will ensure optimal performance and longevity of your e-bike.



Image: Main view of the VOLTVOGUE VV20 Electric E-Bike, showcasing its full suspension design and fat tires.

Safety Information

Always prioritize safety when operating your e-bike. Wear a helmet and appropriate safety gear. Familiarize yourself with local traffic laws and regulations regarding electric bicycles. Perform pre-ride checks as outlined in this manual.

- Always wear a certified helmet.
- Ensure brakes are functioning correctly before each ride.
- Check tire pressure and battery charge level.
- Be aware of your surroundings and ride defensively.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Adhere to the maximum weight capacity specified in the specifications section.

Setup and Assembly

Your VOLTVOGUE VV20 Electric E-Bike comes partially assembled. The assembly process is designed to be straightforward

with the included tools. Please follow these general steps:

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for potential future transport or returns.
2. **Handlebar Installation:** Attach the handlebars to the stem. Ensure they are centered and tightened securely. *Note: Some users have reported issues with bent or misaligned handlebar bases. If you encounter this, please contact customer support.*
3. **Front Wheel Installation:** Install the front wheel, ensuring the quick-release skewer or axle nuts are properly secured.
4. **Pedal Installation:** Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right and thread in opposite directions.
5. **Seat Post and Saddle:** Insert the seat post into the frame and adjust the saddle height for comfortable riding. Ensure the quick-release lever or bolt is tightened.
6. **Battery Installation:** Install the removable 48V battery. Ensure it is securely locked into place.
7. **Accessory Attachment:** Attach any included accessories such as the backseat.
8. **Initial Charge:** Fully charge the battery before your first ride.
9. **Pre-Ride Check:** Before riding, perform a thorough check of all bolts, brakes, tires, and lights.

Included Components: The package typically includes the e-bike frame, battery, charger, user manual, a basic tool kit, and a lock. Please verify all components are present upon delivery.



Image: An illustrative view of the VOLTVOGUE VV20 Electric E-Bike, potentially showing key components or an assembly stage.

Operating Your E-Bike

The VOLTVOGUE VV20 Electric E-Bike offers a versatile riding experience with its pedal-assist system and multiple speed levels.

Battery and Charging

- The e-bike is equipped with a 48V 748 Wh removable battery.
- To charge, connect the charger to the battery and a standard power outlet. The charging indicator on the charger will show the charging status.
- A full charge typically provides a range of 25-70 miles, depending on terrain, rider weight, assist level, and riding style.
- The battery life is approximately 6 hours of continuous use on a single charge.

Power On/Off and Display

Locate the power button on the control panel or battery. Press and hold to power on/off. The integrated display will show

information such as speed, battery level, and assist mode.

Pedal Assist System (PAS)

- The VV20 features a pedal-assist system. As you pedal, the motor provides assistance, making riding easier.
- Use the control panel to select different assist levels (e.g., Eco, Standard, Sport) to adjust the motor's power output.
- The e-bike has 7 mechanical speeds (gears) which can be used in conjunction with the pedal assist for optimal riding efficiency.

Speed and Range

- The top speed of the VOLTVOGUE VV20 is approximately 25 mph (40 km/h) with pedal assist, and up to 31 mph (50 km/h) in off-road or private property settings where permitted and configured.
- The range varies significantly based on factors like rider weight, terrain, assist level, and weather conditions.

Braking System

Your e-bike is equipped with reliable disc brakes for effective stopping power. Always apply both front and rear brakes simultaneously for balanced and safe deceleration.

Lights and Security

- The e-bike includes LED headlights for improved visibility during low-light conditions.
- A key lock is provided for battery security and to prevent unauthorized use.

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

Video: This video demonstrates the vehicle's specifications and highlights its suspension system, providing a visual overview of key features.



Image: Close-up view of the VOLTVOGUE VV20 Electric E-Bike's handlebars, showing the display, controls, and brake levers.

Maintenance

Regular maintenance is crucial for the safety, performance, and longevity of your VOLTVOGUE VV20 Electric E-Bike. Follow these guidelines for proper care:

- **Cleaning:** Clean your e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** Keep the chain and other moving parts lubricated with appropriate bicycle lubricant.
- **Tire Pressure:** Check tire pressure before each ride. Maintain the recommended pressure indicated on the tire sidewall. The 20/16-inch all-terrain fat tires require specific pressure for optimal performance and comfort.
- **Brake Inspection:** Regularly inspect brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Battery Care:**
    - Store the battery in a cool, dry place when not in use.
    - Avoid fully discharging the battery frequently.

- Charge the battery at least once every two months, even if not in use, to maintain its health.

- **Fastener Checks:** Periodically check all bolts and fasteners for tightness, especially after the first few rides.
- **Professional Service:** For complex repairs or adjustments, consult a qualified bicycle mechanic.



Image: Detail of the VOLTVOGUE VV20 Electric E-Bike's rear wheel, disc brake, and suspension system, highlighting components requiring regular inspection.

TROUBLESHOOTING

This section addresses common issues you might encounter with your VOLTVOGUE VV20 Electric E-Bike.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
E-bike does not power on.	Battery not charged, battery not properly seated, power button not pressed correctly.	Ensure battery is fully charged and securely installed. Press and hold the power button firmly.
Motor not assisting.	PAS level set to zero, battery low, sensor issue.	Check display for PAS level and battery charge. Increase PAS level. If issue persists, contact support.
Brakes feel weak or spongy.	Worn brake pads, air in hydraulic system (if applicable), cable stretch.	Inspect brake pads for wear and replace if necessary. Have brakes professionally inspected and adjusted.
E-bike not reaching advertised top speed (e.g., stuck at 25 mph).	Speed limiter engaged for legal compliance, specific riding mode.	The e-bike is typically limited to 25 mph for public road use in many regions. Higher speeds (up to 31 mph) may be achievable in specific modes or settings intended for private property, if legally permissible and configured. Consult local regulations and the advanced settings in your display manual for details.
Missing components or misaligned parts upon delivery.	Shipping damage, packaging error.	Immediately contact VOLTVOGUE customer support with details and photos of the issue.



Image: Front wheel assembly of the VOLTVOGUE VV20 Electric E-Bike, showing the disc brake caliper and rotor, critical for safety and requiring regular checks.

Specifications

Detailed technical specifications for the VOLTVOGUE VV20 Electric E-Bike:

Model Number	VV20
Brand	VOLTVOGUE
Bike Type	Electric Bike
Motor	1500W Peak Motor
Battery	48V 748 Wh Removable Lithium Battery
Battery Life (Continuous Use)	Approximately 6 Hours

Top Speed	Up to 31 mph (private land), 25 mph (public roads, depending on local laws)
Range per Charge	25-70 miles (dependent on conditions)
Wheel Size	20 Inches (All-Terrain Fat Tires)
Frame Material	Stainless Steel
Suspension Type	Dual Suspension
Number of Speeds	7 (Mechanical Gears)
Brake Style	Disc Brakes
Electric Assist Type	Pedal Assist
Intended Riding Terrain	Mountain Terrain, Trail
Special Features	LED Headlights, Removable Battery, Back Seat, Key Lock, App Connectivity
Age Range (Description)	12-60 Years
Included Components	Backseat, Battery, Charger, User Manual, Tool Kit, Lock



Image: A dynamic shot of the VOLTVOGUE VV20 Electric E-Bike in use, demonstrating its full suspension and all-terrain capabilities.

Warranty Information

The VOLTVOGUE VV20 Electric E-Bike typically comes with a **2-year limited warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage resulting from misuse, accidents, normal wear and tear, or unauthorized modifications. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact VOLTVOGUE customer support.

Customer Support

If you have any questions, require technical assistance, or need to report an issue with your VOLTVOGUE VV20 Electric E-Bike, please contact our customer support team.

- **Email:** support@voltogue.com (example)
- **Phone:** 1-800-XXX-XXXX (example)

- **Website:** www.voltogue.com/support (example)

When contacting support, please have your model number (VV20) and proof of purchase readily available to expedite service.

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