

## VAKOLE VT4

# VAKOLE VT4 Folding Electric Bike User Manual

Model: VT4

## 1. INTRODUCTION AND SAFETY GUIDELINES

Thank you for choosing the VAKOLE VT4 Folding Electric Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your e-bike. Please read it thoroughly before your first ride and keep it for future reference.

### Important Safety Information:

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Ensure the battery is securely locked in place before riding.

## 2. PRODUCT COMPONENTS

The VAKOLE VT4 electric bike comes with the following main components:

- VAKOLE VT4 Electric Bike (main unit)
- 36V 13Ah Lithium-ion Battery (integrated into frame)
- Battery Charger
- Tool Kit for assembly and minor adjustments
- User Manual (this document)



Figure 2.1: The VAKOLE VT4 Folding Electric Bike in its unfolded state, showcasing its design and components.



Figure 2.2: The VAKOLE VT4 Folding Electric Bike in its compact folded configuration, highlighting its portability.

### 3. ASSEMBLY AND INITIAL SETUP

Your VAKOLE VT4 electric bike comes partially assembled. Follow these steps to complete the setup:

#### 3.1 Unpacking

1. Carefully remove the bike and all components from the packaging.
2. Remove all protective packaging materials.

#### 3.2 Unfolding the Bike

1. Locate the main frame hinge and release the safety latch.
2. Unfold the frame until it locks into place. Secure the safety latch.
3. Raise the handlebar stem and secure its locking mechanism.
4. Adjust the handlebar height and angle for comfortable riding, then tighten.

#### 3.3 Installing Pedals

1. Identify the left (L) and right (R) pedals.
2. The right pedal (R) threads clockwise into the crank arm.
3. The left pedal (L) threads counter-clockwise into the crank arm.
4. Tighten securely with the provided wrench.

### 3.4 Seat Post Adjustment

1. Open the quick-release lever on the seat post clamp.
2. Adjust the seat height so your feet can comfortably touch the ground when stopped, or for optimal pedaling efficiency.
3. Close the quick-release lever firmly to secure the seat post. Ensure it is tight enough to prevent the seat from rotating or slipping.

### 3.5 Battery Installation and Initial Charge

The 36V 13Ah battery is designed for easy removal and secure locking.

1. Insert the battery into its compartment on the frame.
2. Use the provided key to lock the battery in place. Remove the key before riding.
3. For the first use, fully charge the battery. Connect the charger to the battery charging port, then plug it into a standard wall outlet. The indicator light on the charger will change when fully charged.



Figure 3.1: Close-up of the VAKOLE VT4's integrated 36V 13Ah battery, which is secured with a lock and easily removable. The battery provides a maximum range of 45-75 km.

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## 4. OPERATING YOUR VAKOLE VT4 E-BIKE

### 4.1 Powering On/Off

Press and hold the power button on the control panel (usually located on the handlebar) to turn the bike's electrical system on or off.

### 4.2 Riding Modes

The VAKOLE VT4 offers 3 riding modes:

- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. You can typically adjust the level of assistance (e.g., PAS 1-5) via the control panel. PAS-1 offers the longest range, up to 75 km.
- **Full Electric Mode (Throttle):** If equipped, use the throttle to propel the bike without pedaling. This mode consumes battery faster.
- **Manual Mode:** Ride the bike like a traditional bicycle without any motor assistance.

### 4.3 Gear Shifting

Your VT4 is equipped with a professional 7-speed manual transmission. Use the gear shifter on the handlebar to change gears according to terrain and desired speed. Lower gears are for climbing hills, higher gears for flat terrain and speed.

### 4.4 Braking System

The bike features reliable disc brakes on both front and rear wheels. Apply both brake levers simultaneously for effective and controlled stopping. Practice braking in a safe area to understand their response.



Figure 4.1: Close-up view of the front disc brake system, ensuring reliable stopping power.



Figure 4.2: Close-up view of the rear disc brake system, providing consistent braking performance.

## 5. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and safe operation of your VAKOLE VT4 e-bike.

### 5.1 General Checks

- **Tires:** Check tire pressure before each ride. The 20x3.0" fat tires require specific pressure (refer to tire sidewall). Inspect for wear or damage.
- **Brakes:** Ensure brake levers are firm and responsive. Check brake pads for wear.

- **Bolts and Fasteners:** Periodically check all bolts, nuts, and quick-release levers for tightness.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes.

### 5.2 Battery Care

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

### 5.3 Cleaning

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

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your VAKOLE VT4 e-bike.

| Problem                     | Possible Cause  | Solution   |
|-----------------------------|---|--|
| Bike does not power on      | Battery not charged or not properly installed. Loose electrical connection. | Ensure battery is fully charged and securely locked. Check all visible cable connections.              |
| Motor not assisting         | PAS level set to 0. Brake levers engaged. Sensor issue.                     | Increase PAS level. Release brake levers. Check for any obstructions around pedal assist sensor.       |
| Brakes feel weak            | Brake pads worn. Cable tension too loose.                                   | Inspect and replace brake pads if worn. Adjust brake cable tension. Consult a bike mechanic if unsure. |
| Gears not shifting smoothly | Derailleur out of adjustment. Dirty or unlubricated chain.                  | Clean and lubricate the chain. Adjust derailleur limits and cable tension.                             |

## 7. TECHNICAL SPECIFICATIONS

Detailed specifications for the VAKOLE VT4 Folding Electric Bike:

| Feature          | Specification          |
|------------------|------------------------|
| Model            | VAKOLE VT4             |
| Motor            | 250W Rear Hub Motor    |
| Max Torque       | 50 Nm                  |
| Max Speed        | 25 km/h (EU compliant) |
| Climbing Ability | 15-25° incline         |


| Feature                         | Specification  |
|---------------------------------|--|
| Battery                         | 36V 13Ah (468 Wh) Lithium-ion, removable with lock   |
| Max Range (PAS-1)               | Up to 75 km  |
| Wheel Size                      | 20 inches  |
| Tires                           | 20 x 3.0 inch Fat Tires                              |
| Brake Type                      | Disc Brakes (Front & Rear)                           |
| Suspension                      | Front Fork Suspension                                |
| Gears                           | 7-speed Transmission                                 |
| Frame Material                  | Aluminum Alloy                                       |
| Folded Dimensions (L x W x H)   | 87 x 44 x 72 cm                                      |
| Unfolded Dimensions (L x W x H) | 170 x 60 x 102 cm                                    |
| Weight                          | 25.7 kg  |
| Recommended Rider Height        | 160 - 210 cm   |
| Special Features                | Rear light, Lightweight, Foldable, Adjustable saddle |






## 8. WARRANTY AND SUPPORT

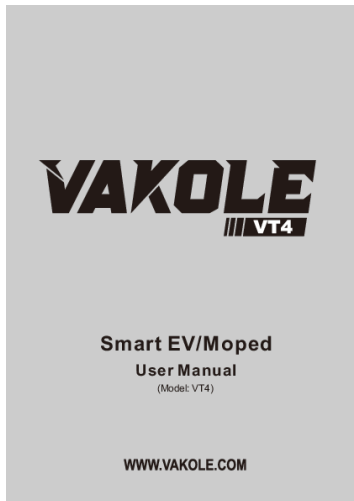
Your VAKOLE VT4 electric bike includes a charger, a tool kit, and this user manual. For specific warranty details, please refer to the documentation provided with your purchase or contact VAKOLE customer support. Keep your proof of purchase for warranty claims.

For technical assistance or spare parts, please contact the retailer or VAKOLE directly through their official channels.

### Related Documents - VT4

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|--|---|
| <br><br>Smart EV/Moped<br>User Manual<br><br>www.vakole.com | <a href="#">Vakole VT4 Smart EV/Moped User Manual</a><br>User manual for the Vakole VT4 Smart EV/Moped, covering battery and charging, riding instructions, maintenance, disclaimer, product illustrations, handlebar functions, folding operations, battery removal, product parameters, and display features. |
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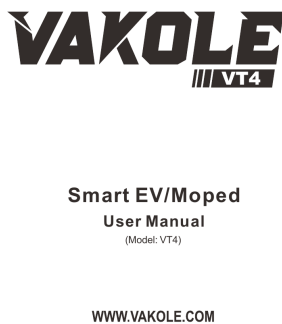
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|  <p>CO26 Electric Mountain Bike<br/>User Manual<br/>CE RoHS PC MSDS UN38.3</p> | <p><a href="#">VAKOLE CO26 Electric Mountain Bike User Manual</a></p> <p>Comprehensive user manual for the VAKOLE CO26 Electric Mountain Bike, covering product overview, operation, display functions, installation, battery removal, and error code definitions.</p>  |
|  <p>CO20 Electric Bike<br/>User Manual<br/>CE RoHS PC MSDS UN38.3</p>          | <p><a href="#">VAKOLE CO20 Electric Bike User Manual</a></p> <p>User manual for the VAKOLE CO20 electric bike, covering product overview, operation, display functions, installation, and battery removal.</p>  |
|  <p>VAKOLE<br/>E-BIKE USER<br/>MANUAL<br/>ATTENTION</p>                        | <p><a href="#">VAKOLE EMT29 E-Bike User Manual</a></p> <p>Comprehensive user manual for the VAKOLE EMT29 electric mountain bike, covering assembly, operation, battery care, and warranty information.</p>  |
|  <p>VAKOLE<br/>E-BIKE USER<br/>MANUAL<br/>ATTENTION</p>                       | <p><a href="#">Vakole E-Bike User Manual: Assembly, Operation, and Warranty</a></p> <p>Comprehensive user manual for the Vakole E-Bike, providing detailed instructions for assembly, battery and charger care, operational guidelines, personalized settings, error code explanations, and warranty information.</p> |
|  <p>VAKOLE<br/>SÄHKÖPYÖRÄ<br/>KÄYTTÖOHJE<br/>HUOMIO</p>                      | <p><a href="#">VAKOLE Y20 Pro Sähköpyörä Käyttöohje</a></p> <p>Käyttöohje VAKOLE Y20 Pro -sähköpyörälle, sisältäen kokoamisohjeet, käyttöohjeet, akun ja laturin huollon, asetusten säätämisen ja takuutiedot.</p>  |



#### [Vakole VT4 Smart EV/Moped User Manual](#)

User manual for the Vakole VT4 Smart EV/Moped, covering battery and charging, riding instructions, maintenance, disclaimer, product illustrations, handlebar functions, folding operations, battery removal, product parameters, and display features.

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#### [\[pdf\] User Manual Instructions](#)

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Smart EV/Moped User Manual Model: **VT4** User Manual 1. Battery and Charging Charge the battery within 0 to 45 , and discharge between -20 to 60 . Keep the battery dry and away from acidic or alkaline liquids, rain, fire, heat, and high temperatures. Do not reverse connect the battery pol...

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