

## VAKOLE CO20 MAX

# VAKOLE CO20 MAX E-Bike Instruction Manual

Model: CO20 MAX | Brand: VAKOLE

## 1. INTRODUCTION

Welcome to the VAKOLE CO20 MAX E-Bike experience. This folding fatbike is designed for versatile riding, featuring a powerful dual motor, long-range battery, hydraulic brakes, and full suspension for a comfortable and reliable journey across various terrains. This manual provides essential information for the safe operation, maintenance, and optimal performance of your new e-bike.

## 2. SAFETY INFORMATION

Always prioritize safety when operating your e-bike. Read and understand all instructions before your first ride. Failure to follow safety guidelines may result in serious injury or damage to the e-bike.

- Always wear a helmet and appropriate safety gear.
- Familiarize yourself with local traffic laws and regulations regarding e-bikes.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and all connections.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in extreme weather conditions or on excessively slippery surfaces.
- Ensure the battery is securely locked in place before riding.
- Do not attempt to modify the e-bike's electrical system or motor.

## 3. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are included:

- 1x VAKOLE CO20 MAX E-Bike
- 1x Charger
- 1x Mobile Phone Holder
- 1x Hanging Bag
- 1x Tire Pump

- 1x Multifunction Tool Set
- 1x Turn Signal (installed under the seat)



Image: The VAKOLE CO20 MAX E-Bike with its various included accessories, such as the front basket, phone holder, and rear rack.

## 4. SETUP AND INITIAL CHECKS

The VAKOLE CO20 MAX E-Bike comes largely pre-assembled. Follow these steps for final setup and initial checks:

1. **Unpacking:** Carefully remove the e-bike and all accessories from the packaging. Retain packaging for future transport or storage.
2. **Unfolding:** Unfold the frame, handlebar stem, and pedals. Ensure all quick-release levers and latches are securely fastened.
3. **Handlebar Adjustment:** Adjust the handlebar height and angle for a comfortable riding position. Tighten all bolts securely.
4. **Seat Adjustment:** Adjust the seat post height so your feet can comfortably touch the ground when stopped. Ensure the quick-release lever is tightened.



5. **Tire Inflation:** Check tire pressure using the included pump. The recommended pressure is typically indicated on the tire sidewall.
6. **Battery Installation & Charging:** Insert the battery into its compartment and lock it securely with the key. Fully charge the battery before the first ride using the provided charger. The charging port is located on the frame.
7. **Brake Check:** Test both front and rear hydraulic brakes to ensure they are functioning correctly and provide adequate stopping power.
8. **Accessory Installation:** Attach the front basket, phone holder, and hanging bag as desired.



Image: The VAKOLE CO20 MAX E-Bike shown in its compact, folded position, highlighting its portability.

## 5. COMPONENTS OVERVIEW

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### 5.1 Dual Motor System

The VAKOLE CO20 MAX features a powerful dual motor system, providing robust assistance for climbing inclines and maintaining speed. This system ensures efficient and quiet operation.





Image: A detailed view of the rear wheel and its integrated motor, part of the dual motor system.



Image: A graphic representation highlighting the front and rear motors of the e-bike.

## 5.2 48V 20Ah Removable Battery

Equipped with a removable 48V/20Ah lithium battery, the e-bike offers an extended range of up to 120 km in pedal-assist mode. The battery can be easily removed for convenient charging indoors.



Image: A close-up of the e-bike's removable battery pack, showing its integration into the frame.



Image: A graphic detailing the 960Wh battery capacity and its impressive 120KM range per charge.

### 5.3 Hydraulic Disc Brakes

For superior stopping power and control, the VAKOLE CO20 MAX is equipped with hydraulic disc brakes on both the front and rear wheels, ensuring reliable braking even in challenging conditions.





Image: A close-up view of the front hydraulic disc brake system, emphasizing its robust design.



Image: A graphic showing the KTET hydraulic brakes, highlighting quick reaction and safe riding.

## 5.4 Full Suspension System

Experience a smooth ride with the full suspension system, which effectively absorbs shocks and bumps from uneven terrain, enhancing comfort and control.



Image: A detailed view of the rear suspension component, designed for shock absorption.



Image: A graphic illustrating the full suspension design, emphasizing its damping effect for smooth rides.

## 5.5 LCD Display with Key-Disp APP

The e-bike features a vibrant LCD display that provides real-time riding data. It is compatible with the Key-Disp Smart APP (iOS only), allowing you to monitor bike status, track position, and customize settings for a smarter and more reliable



riding experience.



Image: The e-bike's LCD display, showing speed, battery level, and trip information.



Image: A graphic demonstrating the LCD display and the Key-Disp APP interface on a smartphone, showing connectivity and control options.



## 5.6 Lighting System

For enhanced visibility and safety, the e-bike is equipped with a bright LED headlight and a 48V taillight, ensuring you are seen by others and can navigate safely in low-light conditions.



Image: A close-up of the e-bike's integrated LED headlight, providing illumination for night riding.





## Hydraulische Bremse

Image: A close-up of the e-bike's rear taillight, ensuring visibility from behind.



Image: A graphic showing both the LED headlight and 48V taillight, emphasizing improved visibility and safety.

### 5.7 7-Speed Mechanical Shifting

The 7-speed mechanical shifting system allows you to easily adjust gears to match various terrains and riding conditions, providing flexibility and control.





Image: A close-up of the Shimano 7-speed gear shifter on the handlebar, indicating gear selection.

## 5.8 Comfortable Saddle

The e-bike features a soft and comfortable saddle that can be adjusted vertically and horizontally to ensure an optimal and comfortable riding position for various riders.



Image: A close-up of the e-bike's soft and adjustable saddle, designed for rider comfort.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Powering On/Off

To power on the e-bike, ensure the battery is installed and locked. Press and hold the power button on the LCD display or the handlebar control panel until the display illuminates. To power off, press and hold the same button until the display turns off.

### 6.2 Riding Modes

The VAKOLE CO20 MAX offers multiple riding modes:

- **Pedal-Assist Mode:** Provides motor assistance as you pedal. Use the '+' and '-' buttons on the handlebar to adjust the assist level (typically 1-5).
- **Full Electric Mode (Throttle):** Engage the throttle for motor power without pedaling. This mode is ideal for quick

acceleration or when you need a break from pedaling.

- **Manual Mode:** Ride the e-bike like a traditional bicycle without any motor assistance.

Your browser does not support the video tag.

Video: Demonstrating the VAKOLE CO20 MAX E-Bike in various riding scenarios, showcasing its folding capability and performance.

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Video: A short clip highlighting the dual motor functionality and folding design of the e-bike.

### 6.3 Using the Key-Disp APP

Download the Key-Disp APP from your device's app store (iOS only). Connect your e-bike via Bluetooth to access detailed riding statistics, adjust settings, and track your bike's location. Refer to the APP's in-app guide for specific features.

### 6.4 Folding and Storage

To fold the e-bike, ensure it is powered off. Release the frame and handlebar stem latches. Carefully fold the bike into its compact form. This makes it easy to transport and store in small spaces.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your VAKOLE CO20 MAX E-Bike.

- **Cleaning:** Clean the e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Battery Care:** Store the battery in a cool, dry place. Charge it regularly, even if not in use, to maintain battery health. Avoid fully discharging the battery.
- **Tires:** Check tire pressure before each ride. Inspect tires for wear and tear, and replace if necessary.
- **Brakes:** Regularly check brake pads for wear and ensure hydraulic fluid levels are adequate. If braking performance diminishes, consult a professional.
- **Chain & Gears:** Keep the chain clean and lubricated. Ensure smooth gear shifting.
- **Fasteners:** Periodically check all bolts, nuts, and quick-release levers to ensure they are tight and secure.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
E-bike not powering on	Battery not charged or not properly installed; power button not pressed correctly.	Charge battery fully; ensure battery is securely locked; press and hold power button for 3 seconds.
Motor not assisting	Pedal-assist level too low; battery low; motor connection issue.	Increase pedal-assist level; check battery charge; inspect motor cables for damage.
Brakes feel weak	Worn brake pads; air in hydraulic lines; misaligned calipers.	Inspect and replace brake pads; consult a professional for hydraulic system bleeding or caliper adjustment.
Unusual noises during ride	Loose components; dry chain; debris in drivetrain.	Check all fasteners; lubricate chain; clean drivetrain.



If you encounter issues not listed here or if solutions do not resolve the problem, please contact VAKOLE customer support.


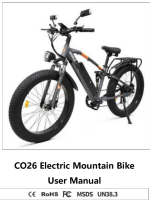




## 9. SPECIFICATIONS

Feature	Detail
Brand	VAKOLE
Model Number	CO20 MAX
Bike Type	Folding Bike, Pedelec
Age Range	Adult
Color	Grey
Wheel Size	20 Inch
Frame Material	Aluminum
Suspension Type	Full Suspension
Brake Type	Disc Brake (Hydraulic)
Number of Speeds	7
Power Source	Rechargeable Battery
Special Features	Dual Motor, Basket, Hydraulic Brake, Foldable, Torque Sensor
Product Dimensions	178 x 65 x 134 cm
Item Weight	36.7 Kilograms
Max Load Capacity	150 kg
Suitable Body Height	160-190 cm

## 10. WARRANTY AND SUPPORT

VAKOLE provides a manufacturer's warranty for the CO20 MAX E-Bike. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, spare parts, or any inquiries, please contact VAKOLE customer service through the official website or your point of purchase.  
For more information, visit the official VAKOLE store:[VAKOLE Store on Amazon.de](#)



 <p>CO20 Electric Bike User Manual 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>CO26 Electric Mountain Bike User Manual 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>VAKOLE E-BIKE USER MANUAL</p> <p>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 SÄHKÖPYÖRÄ KÄYTTÖOHJE</p> <p>VAROITUS</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>
 <p>VAKOLE E-BIKE USER MANUAL</p> <p>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 E-BIKE MANUAL</p> <p>ATENCIÓN</p>	<p><a href="#">VAKOLE Y20 Pro E-Bike Manual de Usuario</a></p> <p>Manual completo para la bicicleta eléctrica VAKOLE Y20 Pro, cubriendo montaje, instrucciones de uso, mantenimiento de batería y cargador, y detalles de garantía.</p>