

## Wildeway ORCA

# Wildeway ORCA 2300W Dual Motor Electric Bike User Manual

Model: ORCA | Brand: Wildeway

## 1. SAFETY INFORMATION

Before operating your Wildeway ORCA electric bike, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or property damage.

- Always wear a helmet that meets local safety standards.
- Familiarize yourself with local laws and regulations regarding electric bicycles.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, battery charge, and all fasteners.
- Do not exceed the maximum load capacity of 330 lbs (149.69 kg).
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Ensure all lights and reflectors are clean and functional, especially when riding at night.

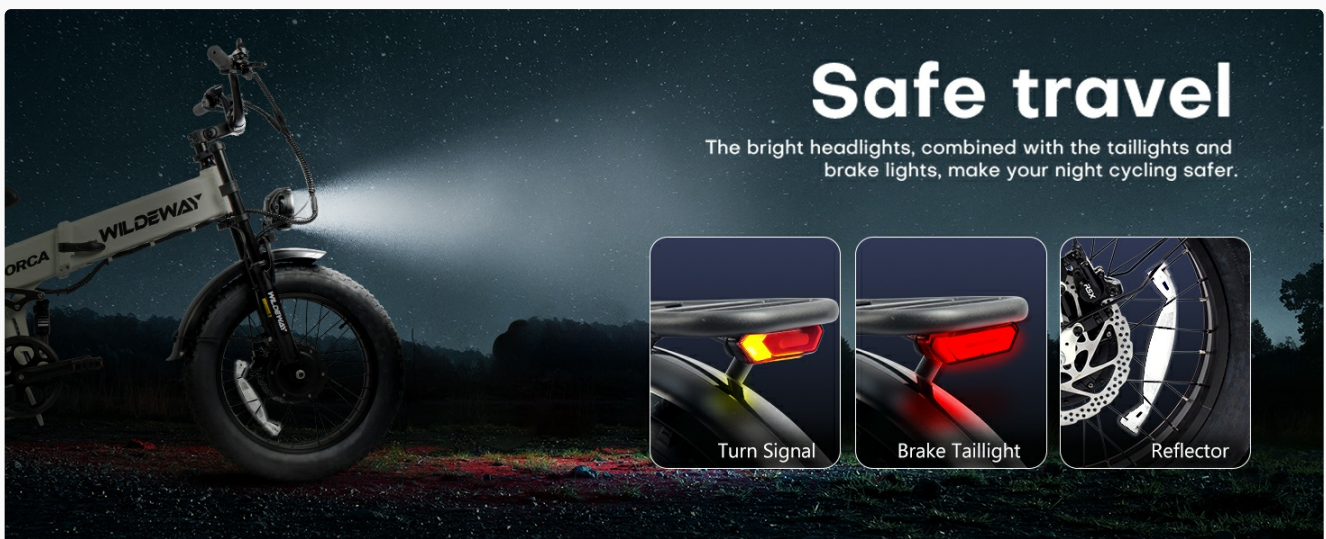


Image: The Wildway ORCA electric bike equipped with bright headlights, taillights, and turn signals for enhanced visibility and safety during night rides.

## 2. PACKAGE CONTENTS

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The Wildway ORCA electric bike package includes the following items:

- Wildway ORCA Ebike
- 48V 20Ah Lithium Battery (removable)
- Battery Charger
- Assembly Tools
- User Manual
- Air Pump (1)
- Bike Lock (1)
- Phone Mount (1)
- Rearview Mirror (1)



Image: A selection of included accessories such as a bike lock, phone mount, and rearview mirrors, designed to enhance the riding experience.

## 3. ASSEMBLY

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The Wildway ORCA electric bike arrives 85% pre-assembled. The remaining assembly steps typically involve attaching the front wheel, handlebars, pedals, and seat post. Refer to the detailed assembly instructions provided in the included user manual for step-by-step guidance. Ensure all components are securely fastened before your first ride.

## 4. COMPONENTS OVERVIEW

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### 4.1. Dual Brushless Motors

The ORCA is equipped with dual brushless motors, providing a peak power output of 2300W and 118 Nm of torque. This configuration allows for efficient power delivery and strong climbing capabilities, supporting inclines up to 60 degrees.



Image: The Wildeway ORCA electric bike, illustrating its powerful 2300W dual brushless motor system for enhanced performance.

## 4.2. 48V 20Ah Removable Lithium Battery

The bike features a removable 48V 20Ah lithium-ion battery, offering a range of up to 95 KM in pedal assist mode. The battery is designed to be waterproof and protected from dust, ensuring reliability in various weather conditions. It can be charged on or off the bike.

# 48V 20Ah Powerful Removable Battery



**60-95 KM**  
Long Range



**6-8 Hours**  
Fast Charger



**12 Months**  
Waranty



**Battery Overheat**  
protection system

Image: The Wildeway ORCA electric bike showcasing its 48V 20Ah removable battery, with an illustration of the charging process.

### 4.3. Full Suspension System

Equipped with a dual suspension system, the ORCA provides shock absorption for a comfortable ride across various terrains, including rough trails, snow, and sand. This system helps reduce rider fatigue on longer journeys.

# Full Suspension System

The full suspension system absorbs shocks and reduces fatigue. Even on long rides, you'll feel relaxed and comfortable.



Image: The Wildeway ORCA electric bike, demonstrating its full suspension system designed to absorb shocks for a smoother ride.

## 4.4. Dual Hydraulic Disc Brakes

The bike features dual hydraulic disc brakes for responsive and reliable stopping power. This braking system offers improved control and safety compared to mechanical brakes, especially in varied conditions.

# Dual Hydraulic Disc Brakes

## Faster & Safe Braking

### Hydraulic Brake



### Mechanical Brake

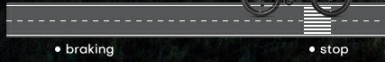


Image: A detailed view of the dual hydraulic disc brake system, emphasizing its quick and sensitive stopping capability.

## 4.5. 20x4 Inch All-Terrain Fat Tires

The 20x4 inch fat tires provide enhanced grip and stability, making the ORCA suitable for various terrains including snow, sand, mountain trails, and city roads.

# Ride Comfortly Where You Want

20"x 4.0 fat tires and a suspension fork for a smooth, stable ride



Image: The 20x4 inch fat tires of the Wildway ORCA, designed for optimal performance across diverse terrains such as snow, mountains, sand, and grasslands.

## 4.6. Colorful Display Screen

The handlebar-mounted color LCD display provides essential riding data, fault warnings, and allows control over various functions. It also includes a USB charging port for convenience.

# Colorful Display Screen

Stay In Control, Ride Smarter



Image: The colorful LCD display and handlebar controls of the Wildway ORCA, showing features like charging port, twist throttle, and various riding data.

## 5. OPERATING INSTRUCTIONS

### 5.1. Powering On/Off

To power on the bike, press and hold the power button on the display. To power off, press and hold the power button again until the display turns off.

### 5.2. Riding Modes

The Wildway ORCA offers 7 distinct riding modes:

- **Full Time Dual Drive:** Both motors engage for maximum power.
- **Timely Dual Drive:** Motors engage as needed for optimal efficiency.
- **Front Wheel Drive:** Only the front motor provides assistance.
- **Rear Wheel Drive:** Only the rear motor provides assistance.

- **Pedal Assist Mode (PAS):** Motor assistance is provided based on your pedaling effort. Adjust assist levels via the display.
- **Cruise Mode:** Maintains a set speed without continuous throttle input.
- **Bike Mode:** Electric assistance is off; operates as a traditional bicycle.



Image: Visual representation of the seven riding modes, including dual drive, single motor drive options, pedal assist, cruise, and traditional bike mode.

### 5.3. Gear Shifting

The bike features a 7-speed gear system. Use the twist grip shifter on the handlebars to change gears, adapting to different terrains and riding conditions.



Image: Detailed view of the 7-speed gear system and the twist grip shifter, illustrating how multiple gears can be adjusted for various road conditions.

## 6. CHARGING THE BATTERY

To charge the 48V 20Ah lithium battery:

1. Ensure the bike is powered off.
2. Locate the charging port on the battery. The battery can be charged while installed on the bike or removed.
3. Connect the charger to the battery's charging port.

4. Plug the charger into a standard electrical outlet.
5. The charger indicator light will typically show red during charging and turn green when fully charged.
6. Charging time is approximately 6-8 hours for a full charge.
7. Once fully charged, disconnect the charger from the outlet first, then from the battery.

Avoid overcharging the battery. Store the battery in a cool, dry place when not in use.

## 7. FOLDING AND STORAGE

The Wildeway ORCA is a folding electric bike, designed for convenient storage and transport. When folded, its dimensions are approximately 37 x 17 x 36 inches.

### 7.1. Folding Procedure

Refer to the specific folding mechanism instructions in your detailed user manual. Generally, this involves:

- Lowering the seat post.
- Folding the handlebars down.
- Unlatching the frame hinge and folding the main frame.
- Securing all folded parts with the designated latches.



Image: The Wildeway ORCA electric bike shown in its compact, folded state, highlighting its portability for storage or transport.

### 7.2. Storage

Store the folded bike in a dry, secure location, away from direct sunlight and extreme temperatures. If storing for an extended period, ensure the battery is partially charged (around 50-70%) and check its charge periodically.

## 8. MAINTENANCE

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

- **Tires:** Check tire pressure before each ride. Maintain recommended PSI for optimal performance and safety. Inspect for wear and damage.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers operate smoothly. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth gear changes.

- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are tight and secure.
- **Battery:** Keep battery terminals clean. Avoid fully discharging the battery frequently.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

## 9. TROUBLESHOOTING

This section addresses common issues you might encounter with your Wildway ORCA electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged; Battery not properly seated; Loose electrical connection; Power button malfunction.	Charge battery; Ensure battery is fully inserted and locked; Check all visible connections; Contact support if issue persists.
Motor not assisting	Pedal Assist System (PAS) level set to zero; Throttle not engaged; Brake levers engaged; Motor connection loose.	Increase PAS level on display; Ensure throttle is fully twisted (if applicable); Release brake levers; Check motor cable connections.
Brakes feel weak	Worn brake pads; Air in hydraulic lines; Misaligned calipers.	Inspect and replace brake pads; Bleed hydraulic brakes (professional service recommended); Adjust caliper alignment.
Unusual noises during ride	Loose components; Dry chain; Brake rub; Motor issue.	Check all fasteners; Lubricate chain; Adjust brake calipers; Contact support if motor noise is unusual.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact Wildway customer support.

## 10. SPECIFICATIONS

Feature	Detail
Model Name	ORCA
Motor Type	Dual Brushless Motor
Peak Motor Power	2300W
Torque	118 Nm
Top Speed	45 KPH
Battery	48V 20Ah Removable Lithium-ion
Range (Pedal Assist)	Up to 95 KM
Charging Time	6-8 Hours

Feature	Detail
Suspension	Dual Full Suspension
Brakes	Dual Hydraulic Disc Brakes
Tires	20 x 4.0 inch All-Terrain Fat Tires
Gears	7-Speed Transmission
Frame Material	Aluminum
Folded Dimensions	37 x 17 x 36 inches (approx.)
Bike Weight	85 lbs (38.5 kg)
Maximum Load Capacity	330 lbs (149.69 kg)
Recommended Rider Height	5'3" - 6'3"

# Wildeway ORCA Dimension



Image: A visual guide to the Wildeway ORCA's dimensions, including total length, handlebar height, seat height, wheelbase, and recommended rider height.

## 11. WARRANTY AND SUPPORT

### 11.1. Warranty Information

The Wildeway ORCA electric bike comes with a 1-year limited warranty covering the motor, battery, and charger. Please refer to the warranty card included with your product for full terms and conditions.

### 11.2. Customer Support

For assembly assistance, technical issues, or warranty claims, please contact Wildeway customer support. When contacting support, provide your order details and a clear description of the issue, including any relevant videos or photos. Support aims to respond within 24 hours.

Manufacturer Contact Information: wildeway

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