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Wildeway FW11

Wildeway FW11 Folding Electric Bike User Manual

Model: FW11

1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Wildeway FW11 Folding Electric Bike. Please read this manual thoroughly before your first ride to ensure proper use and to maximize the lifespan of your e-bike.

1.1 Safety Guidelines

- 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 level.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Ensure the folding mechanism is securely locked before riding.

2. PRODUCT OVERVIEW

The Wildeway FW11 is a folding electric bike designed for urban commuting and light off-road use. It features a powerful motor, long-range battery, and a robust aluminum frame.

2.1 Key Components



Figure 2.1: The Wildeway FW11 Folding Electric Bike in its unfolded state, showcasing its main features including the fat tires, suspension fork, and rear rack.

- **Frame:** Aluminum alloy folding frame.
- **Motor:** 750W 48V Brushless Motor.
- **Battery:** 32Ah High-Capacity Lithium Battery (removable).
- **Tires:** 20" x 3.0" Fat Tires.
- **Brakes:** Mechanical Disc Brakes (front and rear).
- **Suspension:** Dual suspension (front fork and saddle shock).
- **Display:** Full-color LCD display with USB charging port.
- **Gearing:** 7-speed shifting system.
- **Lights:** Super bright LED headlight and brake rear light.

2.2 Battery Details

48V 32Ah

Large capacity lithium battery



Figure 2.2: Close-up view of the 48V 32Ah large capacity lithium battery, highlighting its removable design and IP65 waterproof rating.

The FW11 is equipped with a 48V 32Ah lithium battery, providing an estimated range of 60 miles in electric mode and 90 miles in assist mode. The battery is removable for convenient charging and features a BMS (Battery Management System) for protection.

2.3 Motor System

750W 48V Brushless Motor



Figure 2.3: Illustration of the 750W 48V brushless motor, indicating its power output, maximum torque of 60Nm, and ability to climb slopes up to 30 degrees.

The 750W 48V brushless motor delivers a maximum speed of 28 MPH and a maximum torque of 60 Nm, allowing the bike to climb slopes up to 30 degrees. This motor provides reliable power for various riding conditions.

3. SETUP AND ASSEMBLY

Your Wildeway FW11 electric bike comes partially assembled. Follow these steps to complete the assembly and prepare for your first ride.

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Unfolding the Frame:**

10 SECONDS FOLDING FAST AND PORTABLE



Figure 3.1: The Wildeway FW11 folded and stored in a car trunk, demonstrating its compact size when folded.

Locate the folding latch on the main frame. Release the latch and carefully unfold the bike until the frame is fully extended. Securely lock the latch in place. Ensure the safety pin is engaged.

- 3. Handlebar Installation:** Insert the handlebar stem into the fork tube and tighten the quick-release lever or bolts as instructed. Adjust the handlebar height to a comfortable position.
- 4. Pedal Attachment:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten securely with a wrench. Note that the left pedal is reverse-threaded.
- 5. Seat Post Adjustment:** Insert the seat post into the frame. Adjust the seat height for comfortable pedaling, ensuring your leg has a slight bend at the bottom of the pedal stroke. Secure with the quick-release lever.
- 6. Initial Battery Charge:** Before the first ride, fully charge the battery. Connect the charger to the battery and then to a power outlet. The indicator light on the charger will change when fully charged.
- 7. Tire Inflation:** Inflate tires to the recommended pressure, typically found on the tire sidewall.

4. OPERATING INSTRUCTIONS

Understanding the controls and functions of your Wildeway FW11 is crucial for a safe and enjoyable riding experience.

4.1 Powering On/Off



Figure 4.1: The smart LCD display and handlebar controls, showing the battery indicator, speed, mileage, PAS level, and the integrated USB charging port.

- **To Power On:** Press and hold the power button on the LCD display for a few seconds. The display will illuminate.
- **To Power Off:** Press and hold the power button again until the display turns off.

4.2 Riding Modes

Your e-bike offers multiple riding modes:

- **Pedal Assist Mode (PAS):** Provides motor assistance while you pedal. Use the '+' and '-' buttons on the display to adjust the assist level (typically 1-5). Higher levels provide more assistance.
- **Full Electric Mode (Throttle):** Use the thumb throttle to engage the motor without pedaling. This

mode consumes battery power more quickly.

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

4.3 Gear Shifting

The 7-speed gear system allows you to adjust your pedaling effort to match terrain and speed. Use the shifter on the handlebar to change gears. Shift to a lower gear for climbing hills and a higher gear for flat terrain or downhill riding.

4.4 Braking



Figure 4.2: Detailed view of the front and rear mechanical disc brakes, showing the 180mm disc rotors designed for consistent stopping power in various conditions.

The Wildway FW11 is equipped with mechanical disc brakes on both the front and rear wheels. Apply

both brake levers simultaneously for effective and controlled stopping. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.

5. MAINTENANCE

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

- **Battery Care:**
 - Charge the battery regularly, even if not in use, to maintain its health.
 - Avoid fully discharging the battery.
 - Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
 - Use only the original charger provided with the bike.
- **Tire Pressure:** Check tire pressure before each ride. Maintain pressure within the range specified on the tire sidewall (e.g., 20-30 PSI for fat tires).
- **Brake Inspection:** Regularly check brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth shifting and prevent rust.
- **Fastener Checks:** Periodically inspect all bolts, nuts, and quick-release levers to ensure they are securely tightened.
- **Cleaning:** Clean the 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 Wildeway FW11 e-bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not properly seated, power cable loose.	Ensure battery is fully charged and correctly installed. Check all cable connections.
Motor not assisting	PAS level set to 0, throttle not engaged, brake levers engaged, motor error.	Increase PAS level. Ensure brake levers are fully released. Check display for error codes.
Short battery range	Low tire pressure, frequent use of high PAS/throttle, riding uphill, cold weather.	Inflate tires to recommended pressure. Use lower assist levels. Charge battery fully.
Brakes squealing or weak	Worn brake pads, contaminated rotors, improper adjustment.	Inspect brake pads and rotors. Clean rotors. Adjust brake calipers or replace pads if necessary.

If you encounter issues not listed here or require further assistance, please contact Wildeway customer support.

7. SPECIFICATIONS

Detailed technical specifications for the Wildeway FW11 Folding Electric Bike.

Feature	Specification
Bike Type	Folding Electric Bike, Fat Tire Ebike, City Urban Commuting Cruiser
Model Name	FW11 3.0 UL 2849 Certification
Motor	750W 48V Brushless Motor
Battery	32Ah Lithium Battery (1536 Watt Hours)
Max Speed	28 MPH
Range (Electric Mode)	Up to 60 Miles
Range (Assist Mode)	Up to 90 Miles
Wheel Size	20 Inches
Tire Width	3.0 Inches (Fat Tire)
Frame Material	Aluminum Alloy
Suspension Type	Dual (Front Fork and Saddle Shock)
Brake Style	Mechanical Disc Brakes
Number of Speeds	7
Maximum Weight Recommendation	330 Pounds
Included Components	Ebike, User manual, Mudguard, Charger, Tools, Battery keys (x2)

PRODUCT INFORMATION

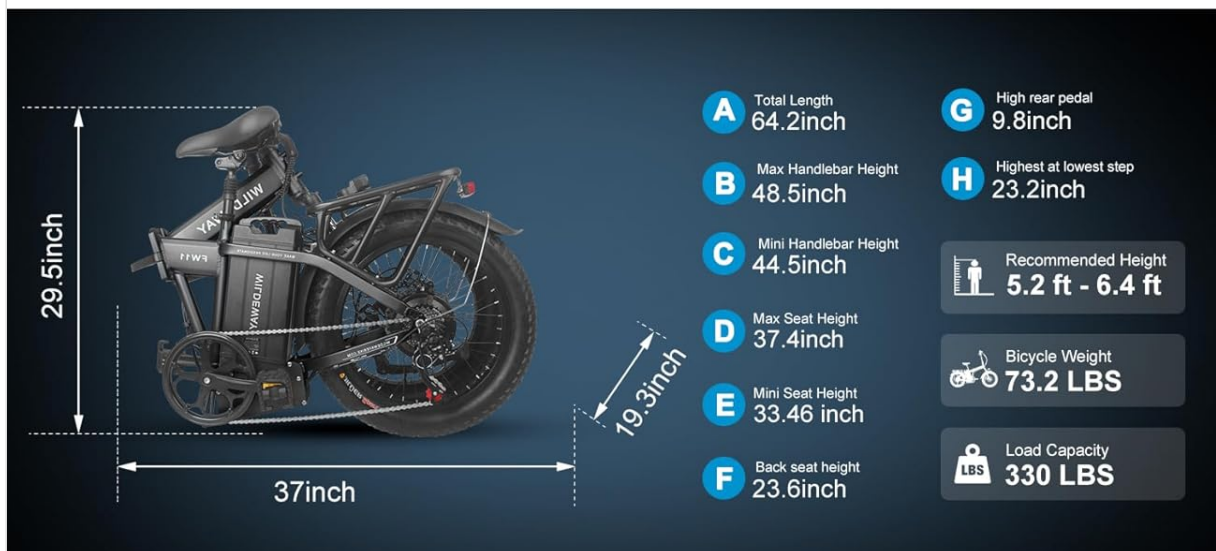


Figure 7.1: Detailed dimensions of the Wildeway FW11 electric bike, including total length, handlebar height, seat height, and folded dimensions.

8. WARRANTY AND SUPPORT

Wildeway provides comprehensive support for your electric bike.

8.1 Warranty Information

The Wildeway FW11 electric bike comes with a one-year warranty covering the motor, battery, and charger. Other parts are covered for 90 days. This warranty covers natural damage or quality problems during the specified period.

For warranty claims, please retain your proof of purchase.

8.2 Customer Support

For any questions, technical assistance, or warranty inquiries, please contact Wildeway customer service.

They aim to respond within 24 hours.

Manufacturer Contact Information: Wildeway

You can also visit the official Wildeway store on Amazon for more information:[Wildeway Store](#)

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