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ENGWE EP-2 Pro

ENGWE 960W Folding Electric Bike User Manual

Model: EP-2 Pro | Brand: ENGWE

INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your ENGWE EP-2 Pro Folding Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your e-bike.

SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Be aware of your surroundings and adhere to all local traffic laws and regulations. Regular maintenance is crucial for safe operation.

- Ensure all components are securely fastened before each ride.
- Familiarize yourself with the braking system and practice emergency stops.
- The bike is equipped with super bright headlights and a rear taillight for visibility, especially during night rides. Always use them in low-light conditions.
- The display screen provides vital information; monitor it regularly during your ride.
- Avoid riding in extreme weather conditions or on excessively rough terrain unless specifically designed for it.

PRODUCT OVERVIEW

The ENGWE EP-2 Pro is a versatile folding electric bike designed for various terrains, offering a powerful motor, long battery life, and a comfortable riding experience.



Figure 1: ENGWE EP-2 Pro Folding Electric Bike in orange color.



960W
(Peak) Hub Motor



3 Riding
Modes

7 Speed



42KM/H
Max Speed



120KM
Per Charge(Estimate)



20x4.0 inches
Chaoyang Fat Tires



48V 13Ah Battery



Foldable 3 Steps

3 Color Options

Orange

Gray

Black

Figure 2: Overview of key features including 960W peak hub motor, 3 riding modes, 7-speed, 42 KM/H max speed, 120 KM per charge estimate, 48V 13Ah battery, 20x4.0 inches fat tires, and 3-step folding.

Powerful Hub-Motor Enables You to Conquer All kinds of Terrain

Greater explosive power 50 Nm.

960W Sustained 750w



ENGWE POWER BIKE
engwe-bikes

Figure 3: Illustration of the powerful 960W (750W sustained) hub-motor, designed to conquer various terrains with 50 Nm of torque.



960W
(Peak) Hub Motor



3 Riding Modes



Foldable
3 Steps



48V 13Ah
Battery



7 Speed
SHINAMO



26MPH
Max Speed



75Miles
Per Charge(Estimate)

3 Color Options

Orange

Gray

Black



20x4.0 inches
All Terrain Fat Tires

Figure 4: The 48V 13Ah lithium removable battery offers a range of up to 120KM in pedal assist mode, providing 35% longer range than comparable models.

SETUP

The ENGWE EP-2 Pro is delivered 85% pre-assembled. Follow these steps for final assembly.

Package Contents Check

Before beginning assembly, ensure all components are present:

- ENGWE EP-2 Pro Electric Bike (partially assembled)
- Kickstand
- Mudguard (front and rear)
- Charger
- Bell
- Tool Kit (including hex keys and wrenches)
- User Manual (PDF available online)

Unboxing and Initial Assembly

Refer to the video below for a visual guide on unboxing and the initial assembly steps.

Video 1: Ep-2 Pro Unboxing and Assembly. This video demonstrates the unboxing process and initial assembly steps for the ENGWE EP-2 Pro electric bike.

Handlebar Installation

Insert the folding riser into the head tube and secure it using the appropriate hex key from the toolkit. Ensure the handlebar is aligned and tightened securely.

Video 2: ENGWE EP-2 Pro Installation Video. This video provides detailed instructions for installing various components, including the handlebar.

Front Wheel Installation

Carefully align the front wheel with the fork. Ensure the disc brake rotor slides correctly into the caliper. Secure the wheel using the provided nuts and wrench.

Pedal Installation

Identify the left (L) and right (R) pedals. The left pedal screws counter-clockwise, and the right pedal screws clockwise. Use a 15mm wrench to tighten them securely.

Saddle Installation

Insert the saddle post into the seat tube. Adjust the height to your comfort and secure it with the quick-release lever. Ensure it is firmly clamped to prevent movement during riding.

Rear Shelf Installation

Attach the rear shelf to the designated mounting points on the bike frame. Secure it with the provided bolts and tighten them using the appropriate tools. Ensure the taillight is properly attached to the shelf.

Headlight and Front Fender Installation

Attach the front fender to the fork using the provided screws. Install the headlight onto its bracket and secure it to the front of the bike, ensuring it is properly aimed.

OPERATING YOUR ENGWE EP-2 PRO

Powering On/Off

To power on the bike, insert the key into the battery lock, turn it to the 'ON' position, and then press and hold the 'M' button on the handlebar display until the screen illuminates. To power off, reverse the process.

Video 3: ENGWE EP-2 Use Introduction Sharing. This video demonstrates how to power on the bike and use its basic functions.

Display Features

The handlebar-mounted display shows essential riding information, including battery level, current speed (MPH), pedal assist level (PAS), and odometer (ODO).

Speed Modes and Gears

The bike features 7-speed Shimano gears, allowing you to adjust your pedaling effort. The electric motor provides multiple levels of pedal assist, which can be selected via the display controls. The peak 960W motor can reach speeds of up to 28 MPH.

Riding Modes

The ENGWE EP-2 Pro offers three riding modes:

- **Unlimited Classic:** Standard bicycle mode without electric assistance.
- **Pedal Assist:** The motor provides assistance as you pedal, extending your range up to 75 miles.
- **Full Power:** Utilizes the full power of the motor for effortless riding, reaching up to 28 MPH.

Folding Mechanism

The bike features a convenient folding design for easy storage and transport. To fold, release the main frame latch and fold the bike in half. The handlebars also fold down for a more compact size.

Video 4: ENGWE EP-2 Use Introduction Sharing (Preview). This short video demonstrates the folding mechanism of the bike.

Braking System

The ENGWE EP-2 Pro is equipped with front and rear disc brakes, providing reliable stopping power in various conditions. Always apply both brakes simultaneously for optimal control.

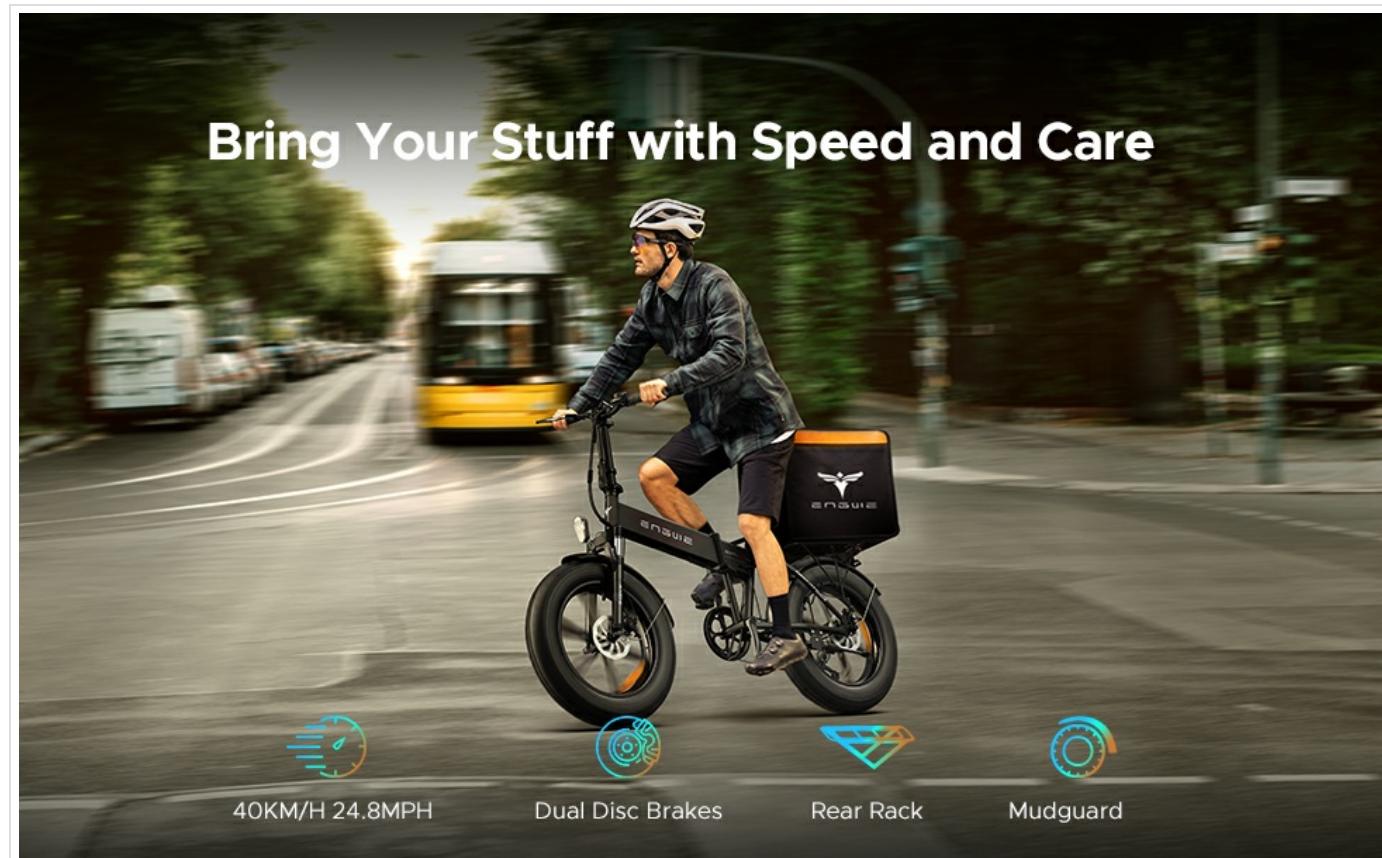


Figure 5: The bike features dual disc brakes, a rear rack, and mudguards for practical use and safety.

MAINTENANCE

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

- **Battery Care:** Charge the 48V 13Ah lithium battery regularly, even when not in use, to maintain its health. Avoid

fully discharging the battery.

- **Tire Pressure:** Maintain proper tire pressure for the 20" *4.0" fat tires as specified on the tire sidewall. This ensures optimal performance and safety.
- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Brake Inspection:** Periodically check the front and rear disc brakes for wear and proper function. Adjust or replace brake pads as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Fastener Check:** Regularly inspect all bolts and fasteners for tightness, especially on the folding mechanism, handlebars, and wheels.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Bike not powering on	Battery not engaged or charged; loose connections	Ensure key is in 'ON' position and battery is charged. Check all electrical connections.
Motor not assisting	Low battery; PAS level too low; brake levers engaged	Charge battery. Increase PAS level. Ensure brake levers are fully released.
Brakes feel weak	Worn brake pads; loose cables; air in hydraulic system (if applicable)	Inspect and replace brake pads. Adjust brake cable tension. Consult a professional for hydraulic systems.
Unusual noises	Loose components; dry chain; misaligned gears	Check all fasteners. Lubricate chain. Adjust derailleur.

SPECIFICATIONS

Feature	Specification
Bike Type	Electric Bike, Mountain Bike
Motor	750W Brushless (Peak 960W)
Battery	48V 13Ah Lithium (500 Watt Hours)
Max Speed	28 MPH
Range	Up to 75 Miles (Pedal Assist)
Wheel Size	20 Inches (4.0" Fat Tires)
Number of Speeds	7
Frame Material	Aluminum (6061 Aluminum Alloy)
Suspension Type	Front, Rear, Dual
Brake Style	Disc (Front and Rear)

Feature	Specification
Item Weight	66 Pounds
Maximum Weight Recommendation	330 Pounds
Foldable	Yes
Included Components	Kickstand, Mudguard, Charger, Bell, Tool Kit

WARRANTY AND SUPPORT

ENGWE provides a one-year warranty for the motor, battery, and controller of your EP-2 Pro electric bike. Our customer support team is available 24/7 to assist you with any questions or concerns.

For additional information or detailed troubleshooting, please refer to the official User Manual PDF available online:

[Download User Manual \(PDF\)](#)

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Related Documents - EP-2 Pro

	<p>Engwe X20 Electric Bike User Manual and Assembly Guide</p> <p>Comprehensive guide for the Engwe X20 electric bike, covering assembly, display functions, riding tips, safety precautions, maintenance, troubleshooting, and warranty information.</p>
	<p>Engwe M20 2.0 Electric Mountain Bike User Manual</p> <p>Comprehensive user manual for the Engwe M20 2.0 electric mountain bike, detailing its 750W motor, dual battery capability, 20-inch fat tires, operation, maintenance, and safety features. Includes specifications and troubleshooting.</p>
	<p>ENGWE X26 Electric Bicycle User Manual - Assembly, Operation, and Maintenance Guide</p> <p>Detailed user manual for the ENGWE X26 electric bicycle. Covers essential safety guidelines, step-by-step assembly instructions, operating modes, battery care, maintenance tips, specifications, and troubleshooting for your e-bike.</p>
	<p>ENGWE EP-2 Boost Electric Bike Owner's Manual and Guide</p> <p>Comprehensive guide for the ENGWE EP-2 Boost electric bike, covering safety, installation, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>ENGWE EP-2 PRO Electric Bike Owner's Manual - Specifications & Guide</p> <p>Comprehensive owner's manual for the ENGWE EP-2 PRO electric bike. Includes detailed information on specifications, battery, charging, warranty, and safety guidelines.</p>

	<p><u>Engwe X24 Electric Bike User Manual: Assembly, Operation, Maintenance, and Warranty</u> Comprehensive user manual for the Engwe X24 electric bike, covering assembly instructions, display guide, riding tips, safety warnings, maintenance schedule, troubleshooting, and limited warranty information.</p>
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