

## ENGWE ENGINE Pro 2.0

# ENGWE Engine Pro Electric Bike User Manual

## INTRODUCTION

---

This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your ENGWE Engine Pro Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference.

## SAFETY GUIDELINES

---

Always wear a helmet and appropriate safety gear when riding. Ensure all components are securely fastened before each use. Adhere to local traffic laws and regulations. Avoid riding in adverse weather conditions or on unsafe terrain.

## SETUP

---

### Unboxing and Initial Assembly

Your ENGWE Engine Pro Electric Bike arrives 85% pre-assembled. The remaining assembly typically involves attaching the handlebars, pedals, and front wheel. A tool kit is included to assist with this process. Refer to the included video tutorials for a step-by-step guide to ensure correct assembly.



Image: The ENGWE Engine Pro Electric Bike, showcasing its foldable design and robust frame.

## Battery Charging

Before your first ride, fully charge the 52V 16Ah lithium battery. Connect the charger to the bike's charging port and then to a standard power outlet. The charging indicator will show when the battery is full. Avoid overcharging and ensure the charging port is clean and dry.

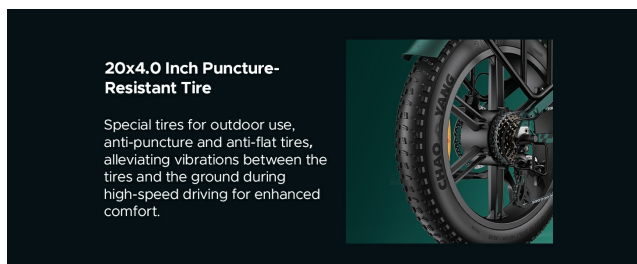


Image: A close-up view of the 52V 16Ah lithium battery integrated into the bike's frame.

## OPERATING THE ELECTRIC BIKE

### Powering On and Off

To power on the bike, press and hold the power button on the intelligent LCD display. To power off, press and hold the same button. The display will illuminate, showing various ride data.



Image: The high-brightness LCD display, showing clear visibility for mileage, battery level, and speed.

### Riding Modes

The ENGWE Engine Pro offers multiple riding modes:

- **Pedal Assist Mode (PAS):** Provides electric assistance as you pedal. The 75Nm torque sensor ensures a 0-delayed start. Max range up to 68 miles.
- **Electric Mode:** Full electric power without pedaling. Max range up to 30.5 miles.
- **Manual Mode:** Ride as a traditional bicycle without electric assistance.

Use the controls on the handlebars to switch between modes and adjust the level of assistance.



Image: An illustration highlighting the powerful 1200W peak motor and 75Nm torque sensor for enhanced climbing capabilities.

## Braking System

The bike is equipped with hydraulic dual disc brakes on both the front and rear wheels, ensuring shorter braking distances and enhanced safety. Apply both brakes simultaneously for optimal stopping power.

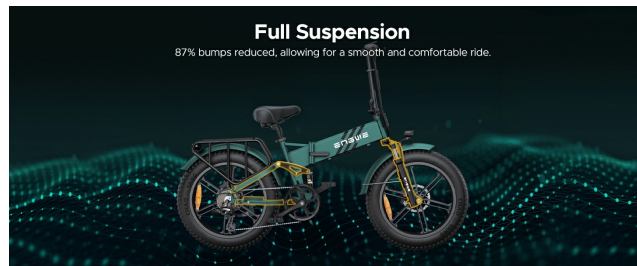


Image: A close-up of the hydraulic brake lever and disc brake caliper, emphasizing the upgraded braking system.

## Folding and Storage

The ENGWE Engine Pro is designed for convenience and can be folded in 3 steps within 10 seconds. This compact design makes it ideal for transport in car trunks or SUVs, and for storage in smaller spaces.

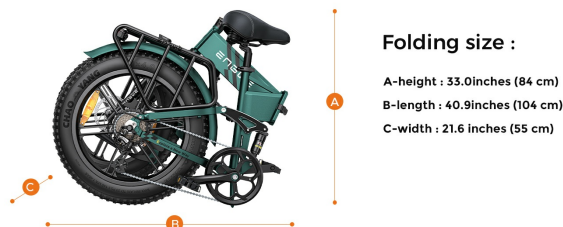


Image: The ENGWE Engine Pro Electric Bike in its folded configuration, demonstrating its compact size for transport.

## MAINTENANCE

### Regular Checks

- **Tires:** Regularly check tire pressure (20x4.0 inch fat tires) and inspect for wear or punctures. The puncture-resistant design helps, but regular inspection is crucial.
- **Brakes:** Ensure brake levers are firm and responsive. Check brake pads for wear and replace if necessary.
- **Chain:** Keep the chain clean and lubricated for smooth operation and to prevent rust.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially after the first few rides.
- **Battery:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to maintain its lifespan.

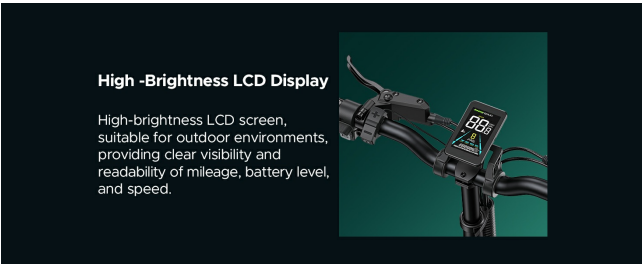


Image: A detailed view of the 20x4.0 inch puncture-resistant fat tire, designed for various terrains.

### Cleaning

Clean the bike with a damp cloth and mild soap. Avoid using high-pressure water jets directly on electrical components. Dry thoroughly after cleaning.

### TROUBLESHOOTING

Problem	Possible Cause	Solution
Bike not powering on	Low battery, loose battery connection, power button issue.	Charge battery, check battery connection, contact support if issue persists.
Motor not assisting	Pedal assist level too low, brake lever engaged, motor connection issue.	Increase pedal assist level, ensure brakes are not engaged, check motor cables.
Brakes feel spongy	Air in hydraulic lines, worn brake pads.	Bleed brake lines (professional service recommended), replace brake pads.
Unusual noises during ride	Loose components, chain issues, motor anomaly.	Inspect all parts for tightness, lubricate chain, contact support if noise persists.
LCD display error codes	System malfunction detected by the intelligent LCD display.	Refer to the specific error code in the full manual (if available) or contact customer support.
Reduced range	Under-inflated tires, riding uphill frequently, heavy load, cold weather, aging battery.	Ensure proper tire pressure, optimize riding style, consider battery replacement if significantly degraded.

### SPECIFICATIONS

Feature	Detail
Model Name	ENGINE Pro 2.0
Motor	1200W Peak Brushless Motor
Torque	75 Nm Sensor Torque
Battery	52V 16Ah Lithium Battery (624 Watt Hours)
Max Range (Pedal Assist)	Up to 68 miles

Feature	Detail
Max Speed (Assistance Mode)	28 mph
Max Range (Electric Mode)	Up to 30.5 miles
Max Speed (Electric Mode)	20 mph
Tires	20"x4.0" Fat Tires (Puncture-Resistant)
Brakes	Hydraulic Dual Disc Brakes
Suspension	Full Suspension (Air Front, Hydraulic Rear Shock, Seat Spring Damping)
Frame Material	Aluminum
Folded Dimensions	41 x 21 x 33 inches
Weight	70 pounds
Max Load Capacity	330 pounds
Display	Intelligent LCD Display
Gears	8-Speed (Shimano)
Included Components	Tool Kit

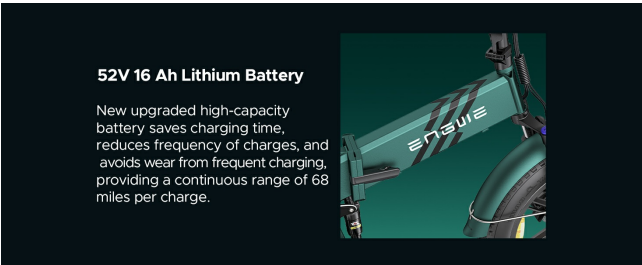


Image: Technical drawing showing key dimensions and measurements of the ENGWE Engine Pro Electric Bike.

## WARRANTY AND SUPPORT




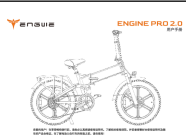

### Warranty Information

The ENGWE Engine Pro Electric Bike comes with **atwo-year warranty** covering the motor, battery, and controller. Please retain your proof of purchase for warranty claims.

### Customer Support

For any questions, concerns, or technical assistance, our customer service team is available 24/7. Please visit the official ENGWE store on Amazon for contact information or further resources: [ENGWE Amazon Store](#).

Related Documents - ENGINE Pro 2.0

	<p><a href="#">Engwe Engine Pro 2.0 Folding Fat Tire E-bike User Manual</a></p> <p>Comprehensive user manual for the Engwe Engine Pro 2.0 folding fat tire electric bike, detailing specifications, safety, operation, and maintenance for this 52V, 16Ah, 75Nm torque e-bike.</p>
	<p><a href="#">ENGWE L20 Boost E-Bike User Manual and Installation Guide</a></p> <p>Comprehensive user manual and installation guide for the ENGWE L20 Boost electric bicycle, covering safety guidelines, product components, technical specifications, assembly instructions, display functions, battery care, charging, and warranty policy.</p>
	<p><a href="#">ENGWE X26 Electric Bicycle User Manual - Assembly, Operation, and Maintenance Guide</a></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><a href="#">ENGWE ENGINE X Electric Bicycle: Operation and Maintenance Manual</a></p> <p>This manual provides comprehensive instructions for the operation, assembly, maintenance, and safety of the ENGWE ENGINE X electric bicycle. It includes specifications, troubleshooting tips, and important precautions for optimal use.</p>
	<p><a href="#">Engwe Engine Pro 2.0 Electric Bike User Manual and Assembly Guide</a></p> <p>Comprehensive guide to assembling, operating, and maintaining the Engwe Engine Pro 2.0 electric bicycle. Includes detailed instructions, specifications, and troubleshooting tips.</p>
	<p><a href="#">Engwe M20 2.0 Electric Mountain Bike User Manual</a></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>