

ENGWE L20 Boost

ENGWE L20 Boost Electric Bike User Manual

Model: L20 Boost

Brand: ENGWE

1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, and maintenance of your ENGWE L20 Boost Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your e-bike. Retain this manual for future reference.



Image 1.1: The ENGWE L20 Boost Electric Bike, showcasing its robust design and integrated accessories.

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to local traffic laws and regulations when operating the e-bike. Failure to follow safety guidelines can result in serious injury or damage to the product.

2.1 General Safety Warnings

- Always wear a helmet and appropriate safety gear when riding.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not modify the e-bike. Unauthorized modifications can compromise safety and void the warranty.
- Do not carry passengers or loads exceeding the maximum weight recommendation of 120 kg.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Ensure the battery is charged in a well-ventilated area, away from flammable materials.

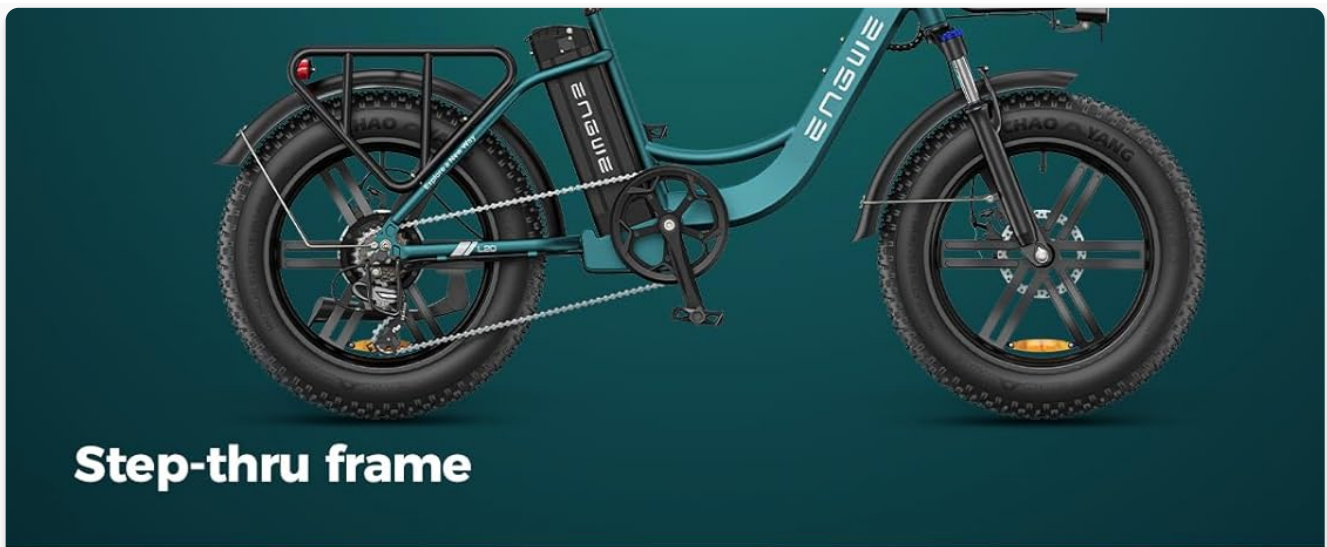


Image 2.1: Example of safety warning labels provided with the e-bike, emphasizing critical safety precautions.

3. PRODUCT OVERVIEW AND COMPONENTS

The ENGWE L20 Boost is designed for urban commuting and off-road adventures, featuring a step-through frame, fat tires, and a powerful electric assist system.

3.1 Key Features

- **Step-Through Frame:** Facilitates easy mounting and dismounting.
- **20"x4.0" Fat Tires:** Provides stability and traction on various terrains.
- **48V 13Ah Removable Battery:** Offers a range of up to 126 km (87 miles) on pedal assist.
- **7-Speed Shimano Gearing:** Allows for versatile riding in different conditions.
- **Power-Boost Button:** Provides instant additional power for climbing or acceleration.
- **Front Basket and Rear Rack:** Integrated for carrying personal items or cargo.



Image 3.1: Key features including the step-through frame, Power-Boost button, and fat tires.

3.2 Components

- **Handlebar and Display:** Features lighting control, 7-speed gearing shifter, and a colorful display for ride information.
- **Motor:** 250W brushless motor with 75Nm torque, providing pedal assistance.

- **Brake System:** Reliable disc brakes for effective stopping power.
- **Torque Sensor:** Provides fast response and smooth pedal assistance.



Image 3.2: Handlebar with colorful display and controls.



Image 3.3: Removable 48V 13Ah battery.

Colorful Display



Image 3.4: Motor and power system diagram.

Best Sensor

Torque Sensor

Fast response
Smooth assistance



Speed sensor

Power delay
Laggy feedback

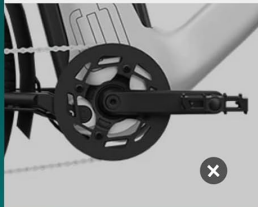


Image 3.5: Torque sensor for smooth pedal assist.

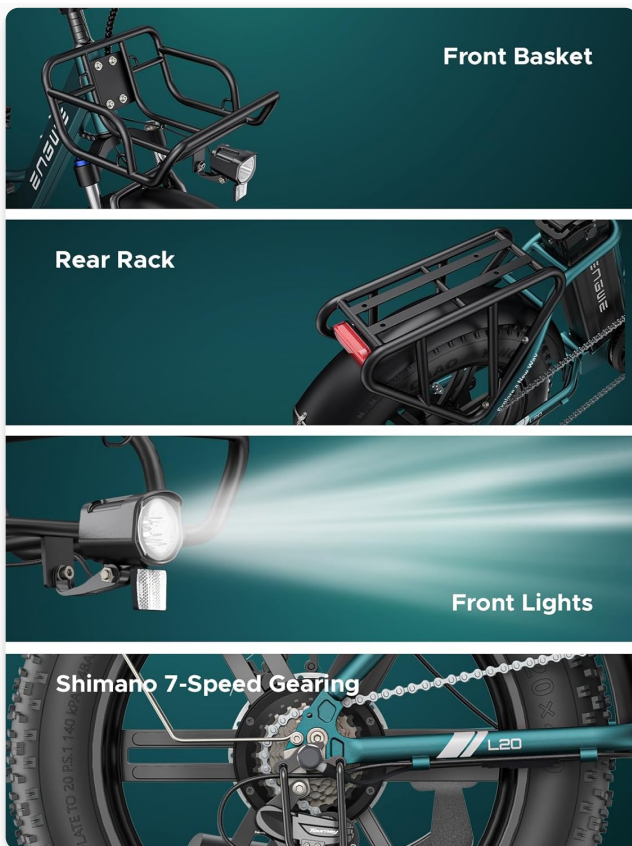


Image 3.6: Integrated front basket, rear rack, and front lights.

4. SETUP AND ASSEMBLY

The ENGWE L20 Boost e-bike arrives largely pre-assembled. However, some assembly is required, typically involving the front wheel, handlebars, pedals, and accessories like the front basket and rear rack. While the process is designed to be straightforward, some users may find the provided documentation less explicit. Online video tutorials can be a helpful resource for visual guidance.

4.1 Unboxing

Carefully remove the e-bike and all components from the packaging. Inspect for any shipping damage. Retain the original packaging temporarily in case of a return.



4.2 Initial Assembly Steps (General Guidance)

1. **Install the Front Wheel:** Securely attach the front wheel, ensuring the disc brake rotor aligns correctly with the caliper.
2. **Attach the Handlebar:** Position the handlebar and tighten the stem bolts.
3. **Install Pedals:** Note that pedals are typically left (L) and right (R) specific and thread in opposite directions.
4. **Mount Accessories:** Attach the front basket and rear rack as per instructions.
5. **Charge the Battery:** Fully charge the battery before the first ride.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and functions of your ENGWE L20 Boost e-bike before riding.

5.1 Powering On/Off

Locate the power button on the battery or display. Press and hold to turn the e-bike system on or off.

5.2 Pedal Assist System (PAS)

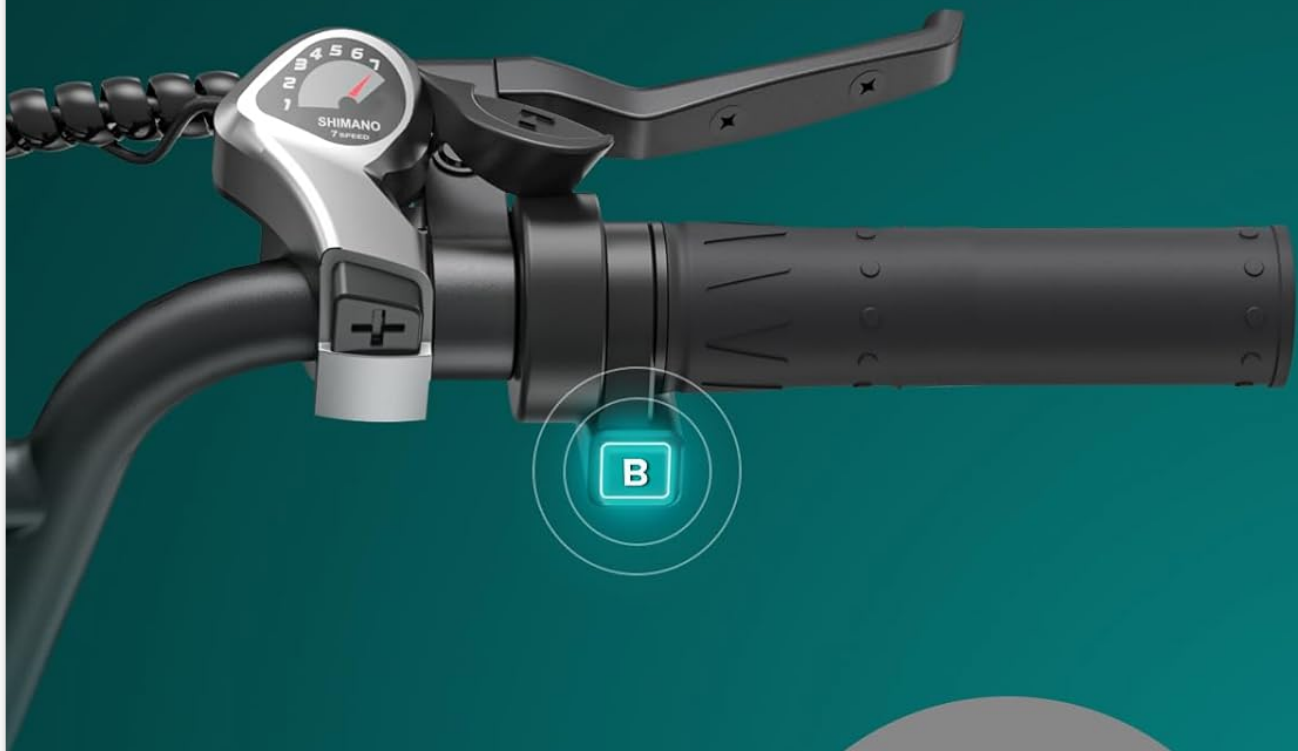
The e-bike features a pedal assist system. As you pedal, the motor provides assistance based on the selected assist level. Adjust assist levels using the controls on the handlebar display.

5.3 Power-Boost Button

For additional power, such as when climbing hills or needing quick acceleration, press the dedicated Power-Boost button on the handlebar. This provides a temporary increase in motor output.

75Nm Power-Boost Button

More power while ensuring compliance



Normal handlebar

Not enough power to climb
big hills



Image 5.1: Location of the Power-Boost Button on the handlebar.

5.4 Gearing

The e-bike is equipped with a 7-speed Shimano gearing system. Use the shifter on the handlebar to change gears according to terrain and desired pedaling effort.

5.5 Braking

The e-bike uses disc brakes. Apply both front and rear brakes smoothly and simultaneously for controlled stopping. Avoid sudden, hard braking, especially with the front brake, to prevent loss of control.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ENGWE L20 Boost e-bike.

6.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use only the charger provided by ENGWE.

6.2 Tire Maintenance

- Check tire pressure before each ride and inflate to the recommended PSI.
- Inspect tires for wear, cuts, or punctures.

6.3 Brake System

- Regularly check brake pads for wear and replace as needed.
- Ensure brake levers are firm and responsive. Adjust cable tension if necessary.

6.4 General Cleaning

Clean the e-bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

7. TROUBLESHOOTING

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

7.1 No Power

- Check if the battery is properly seated and locked.
- Ensure the battery is charged.
- Verify all electrical connections are secure.

7.2 Motor Not Assisting

- Confirm the pedal assist level is not set to zero.
- Check if the brake levers are fully released, as some systems cut motor power when brakes are applied.
- Ensure the torque sensor is clean and unobstructed.

7.3 Unusual Noises

- Inspect the chain for proper lubrication and tension.
- Check for loose components or rubbing parts.
- If noises persist, consult a qualified bicycle mechanic.

8. SPECIFICATIONS

Feature	Specification
Bike Type	Electric Bike
Model Name	L20 Boost
Brand	ENGWE
Age Range	Adult
Number of Speeds	7
Wheel Size	20 Inches
Frame Material	Aluminum
Suspension Type	Rigid
Special Feature	Removable Battery
Included Components	Back Tray, Basket, Cart
Brake Style	Disc
Item Weight	34 Kilograms
Power Source	Electric
Lithium Battery Energy Content	13000 Milliampere Hour (mAh)
Maximum Weight Recommendation	120 Kilograms
Assembly Required	Yes
Electric Assist Type	Pedal Assist

9. WARRANTY AND SUPPORT

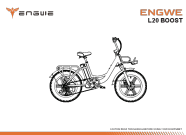

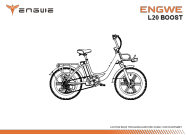

The ENGWE L20 Boost Electric Bike comes with a Limited Warranty. For specific terms and conditions, please refer to the warranty documentation included with your purchase or contact ENGWE customer service.

9.1 Customer Support

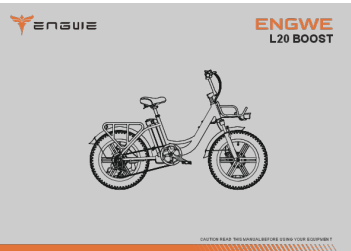
If you encounter any issues or require assistance, please contact the ENGWE service team. They can provide support for technical questions, parts replacement, and warranty claims. When returning the e-bike, it is recommended to contact the ENGWE service team for assistance to avoid potential loss of the package.



Related Documents

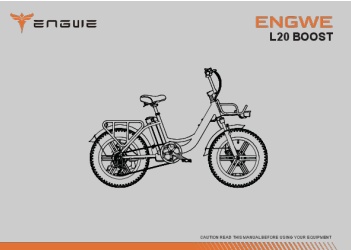
	ENGWE L20 Boost E-Bike User Manual: Safety, Installation, and Operation Guide Comprehensive user manual for the ENGWE L20 Boost electric fat tire bike. Covers safety guidelines, product components, technical specifications, step-by-step installation, display functions, battery care, charging, and warranty information.
	Engwe Electric Bicycles: Company Overview, Global Market, and Product Lineup Explore Engwe Intelligent Technology Co., Ltd., a leading electric bicycle manufacturer. Learn about their innovation, global presence, product range including models like X26 and M20 2.0, and commitment to quality and customer satisfaction.
	ENGWE L20 Boost Electric Bike User Manual and Safety Guide This manual provides essential safety guidelines, product details, installation instructions, and operational information for the ENGWE L20 Boost electric bicycle, including display functions, battery care, and warranty.
	Engwe L20 3.0 Boost Electric Bike Owner's Manual Official owner's manual for the Engwe L20 3.0 Boost electric bicycle, providing essential information on setup, operation, safety, maintenance, and specifications for riders.

Documents - ENGWE – L20 Boost



[ENGWE L20 BOOST Electric Bike User Manual and Installation Guide](#)

Comprehensive guide for the ENGWE L20 BOOST electric bike, covering safety guidelines, product components, technical specifications, installation steps, display instructions, battery and charging information, and warranty policy.
lang:en score:49 filesize: 19.6 M page_count: 24 document date: 2024-10-24

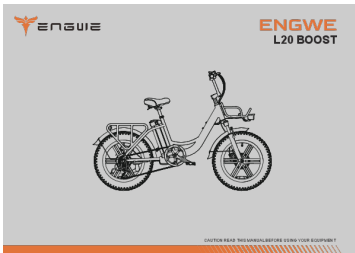


[ENGWE L20 Boost E-Bike User Manual: Safety, Installation, and Operation Guide](#)

Comprehensive user manual for the ENGWE L20 Boost electric fat tire bike. Covers safety guidelines, product components, technical specifications, step-by-step installation, display functions, battery care, charging, and warranty information.
lang:en score:45 filesize: 19.6 M page_count: 24 document date: 2024-06-07

[pdf] User Manual

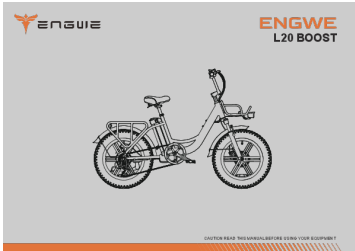
ENGWE L20 Boost User Manual Sie hierDas Engwe Fatbike mit Knopf bietet Komfort DEcdn shopify s files 1 0828 6892 8809 v 1734407354 DETop 10 Das beste Klapprad E Bike im Test vor Brompton und Fiido Heise online bestenlistencdn 1734407354cdn ref HEISEMEDIEN sub id undefined Download user manualSie hierEngwe Electric BikeDas 0933 2316 5961 1748002939cdn ||| ||| L20 BOOST CAUTION READ THIS MANUAL BEFORE USING YOUR EQUIPMENT Safety Guidelines for E-Bike Usage Thank you for choosing the ENGWE series product.To ensure a quick and safe riding experience, please famliarize yourself with this manual. The ||| L20 BOOST CAUTION READ THIS MANUAL BEFORE USING YOUR EQUIPMENT Safety Guidelines for E-Bike Usage Thank you for choosing the ENGWE series product.To ensure a quick and safe riding experience, please famliarize yourself with this manual. The



L20 BOOST CAUTION READ THIS MANUAL BEFORE USING YOUR EQUIPMENT Safety Guidelines for E-Bike Usage Thank you for choosing the ENGWE series product.To ensure a quick and safe riding experience, please famliarize yourself with this manual. Thecompany reserves the right to interpret and explain this m... lang:en score:40 filesize: 19.62 M page_count: 24 document date: 2024-12-17

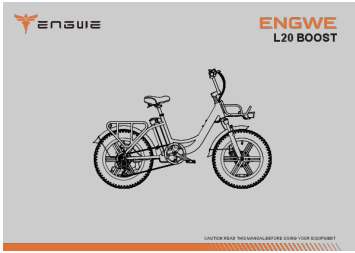
[pdf] User Manual

L20 BOOST Boost Manual EngelskManualer og dokumenter til Engwe Fatbike Elcykler Fastriders dkL20 Manualcdn shopify s files 1 0814 7671 4836 v 1725534009 ||| **L20 BOOST CAUTION READ THIS MANUAL BEFORE USING YOUR EQUIPMENT** Safety Guidelines for E-Bike Usage Thank you for choosing the ENGWE series product.To ensure a quick and safe riding experience, please famliarize yourself with this manual. Thecompany reserves the right to interpret and explain this m... lang:en score:40 filesize: 19.6 M page_count: 24 document date: 2024-06-07



[ENGWE L20 Boost Electric Bike User Manual and Safety Guide](#)

This manual provides essential safety guidelines, product details, installation instructions, and operational information for the ENGWE L20 Boost electric bicycle, including display functions, battery care, and warranty. lang:en score:36 filesize: 19.62 M page_count: 24 document date: 2024-12-17



[Engwe Electric Bicycles: Company Overview, Global Market, and Product Lineup](#)

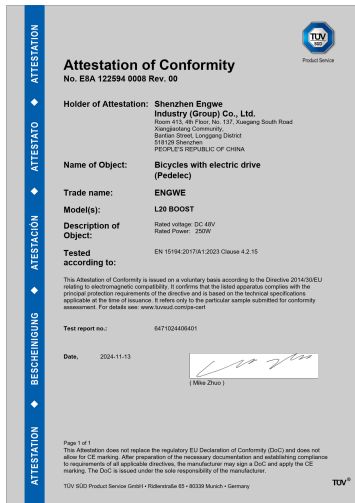
Explore Engwe Intelligent Technology Co., Ltd., a leading electric bicycle manufacturer. Learn about their innovation, global presence, product range including models like X26 and M20 2.0, and commitment to quality and customer satisfaction. lang:en score:23 filesize: 9 M page_count: 30 document date: 2025-04-22



[pdf]

ENGWE L20 Boost CE Certification EN 15194 Sie hierDas Engwe Fatbike mit Knopf bietet Komfort DEENGWE Zertifizierung 15194cdn shopify s files 1 0828 6892 8809 v 1735119202 ||| ... lang:en score:14 filesize: 2.44 M page_count: 1 document date: 2024-12-17



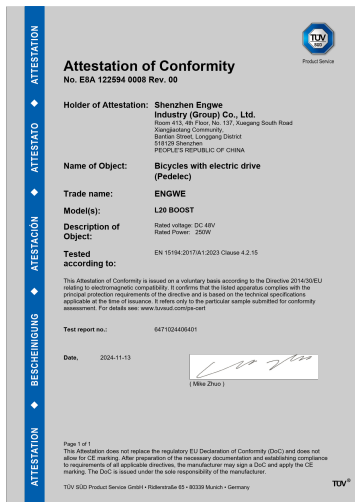


[pdf]

Download certificationEngwe L20 Boost Electric BikeENGWE EMC certificate EN15194cdn shopify s files
1 0933 2316 5961 ENGWE EN15194 v 1748000591 |||

...

lang:en score:14 filesize: 363.96 K page_count: 1 document date: 2024-11-13



[pdf]

click here Engwe L20 Boost 250W 75Nm High Torque Electric Fat Bike delivery dates and we will
endeavour to meet your needs Please check our Shipping Policy for additional information regarding
locations costs Q2 Compliance with EU regulations EMC certificate ENGWE EN15194 v 1735116077 cdn
shopify s files 1 0549 9017 6300 |||

...

lang:en score:11 filesize: 363.95 K page_count: 1 document date: 2024-11-13



[pdf]

ENGWE L20 Boost CE Certification EN 15194 click here Engwe 126KM Range Torque Sensor Fat Tire
Ebike not be available to remote areas or islands For special requests urgent delivery needs please
contact our customer service team and we will do best accommodate you 2 Compliance with EU
regulationsPlease v 1734404210 cdn shopify s files 1 0683 8560 3641 |||

...

lang:en score:11 filesize: 2.44 M page_count: 1 document date: 2024-12-17