

ENGWE L20 3.0 BOOST 250W 20 Electric Bike (Black)



Model: EN-L20BBL

Manufacturer: ENGWE

EAN: 6975639441071

Product Code: 1089161

R42,947

ENGWE L20 3.0 BOOST Electric Bike

The black ENGWE L20 3.0 BOOST electric bike is a compact model with full suspension and a foldable design, built for everyday riding in and around the city. It features a rear hub motor (48 V) that generates 75 Nm of torque and a torque sensor that ensures smooth and natural assistance. It offers a range of up to 135 km on a single charge (up to 120 km in PAS1 mode), and the 8A fast charger allows you to recharge the battery in about 2 hours. Add to that a removable 648 Wh battery, 5 levels of assistance, hydraulic disc brakes, and compliance with the EN15194 standard, which together create a practical package for everyday use.

Comfort thanks to full suspension

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Full suspension with 30 mm of rear travel and a hydraulic fork with an adjustable lockout significantly improve riding comfort on uneven surfaces. This design allows the bike to handle cobblestones, gravel, and forest trails better, reducing the sensation of shocks. In practice, this translates to less fatigue during longer rides and greater handling stability. This solution will be appreciated by those who ride both in the city and on more demanding roads.

Power and natural assistance

The motor located in the rear hub works with a torque sensor that responds to the force applied to the pedals. As a result, the assistance isn't "on-off," but adapts to the rider's style. This results in smoother acceleration and better control over the bike, especially when starting or riding uphill. An additional Boost mode allows you to temporarily increase power, making it easier to tackle short, more demanding sections.

Long Range and Fast Charging

The 648 Wh battery provides a real-world range tailored to riding mode and conditions. With light assistance, you can achieve up to approximately 120 km, and with higher assistance levels, correspondingly less, giving the user flexibility in route planning. The 8A fast charger reduces charging time to about 2 hours, so the bike is quickly ready for use again. The removable battery design makes it easy to charge at home or work without having to bring the entire bike inside.

Foldable design and ease of use

The frame, made of 6061 aluminum alloy, is both durable and relatively lightweight for a full-suspension bike. The folding design minimizes the space it takes up, which is important for storage in an apartment or for transport. The low step-through frame makes it easy to get on and off, which is practical for everyday use. Adjustable saddle and handlebars allow you to customize the position to fit riders between approximately 155–190 cm tall.

Versatile wheels and all-terrain riding

The 51 cm × 7.6 cm tires are designed for a variety of surfaces, from asphalt to gravel and grassy paths. Their width improves traction and stability, which is particularly noticeable on loose terrain.

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An additional puncture-resistant layer increases durability, reducing the risk of downtime. As a result, the bike performs better as a versatile mode of transportation, not just for city riding.

Safety and control

Hydraulic disc brakes with 180 mm rotors ensure effective braking regardless of weather conditions. This gives the rider greater control over the bike during sudden situations on the road. Front and rear lights improve visibility, and the rear light reacts to braking, which increases safety. Additionally, the design meets the EN15194 standard, confirming compliance with European standards for electric bikes.

Modern features and equipment

A 3.5-inch color LED display shows key riding information in an easy-to-read format. Thanks to Bluetooth connectivity, the bike works with the ENGWE app, which allows you to manage selected settings. The drivetrain, based on a 7-speed Shimano derailleur, makes it easy to adjust gear ratios to the terrain. The package is rounded out by practical features such as a rack, fenders, and a comfortable saddle, which enhance the bike's everyday functionality.

Included

- ENGWE L20 3.0 Boost electric bike
- 48 V 13.5 Ah battery
- 54.6 V 8A charger
- Pedals (2 pieces)
- Fenders (front and rear)
- Rear rack
- Bicycle kickstand
- Assembly tool kit
- User manual

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Manufacturer	ENGWE
Model	L20 3.0 Boost
Type	electric bike, folding, full suspension
Motor	48 V, in the rear hub
Torque	75 Nm
Torque	sensor
Rated power	250 W (compliant with EU standards)
Assistance	5 PAS levels + Boost mode
Battery	48 V 13.5 Ah (648 Wh)
Maximum range	up to 135 km
Real-world range	up to 120 km (PAS1), approx. 100 km (PAS3), approx. 85 km (PAS5)
Charging	8A fast charger (approx. 2 hours)
Frame	6061 aluminum, step-through
Suspension	Full (front + rear, 30 mm rear travel)
Wheels	50.8 cm
Brakes	Hydraulic disc brakes, 180 mm front/rear
Drivetrain	7-speed Shimano
Rear derailleur	Shimano Tourney RD-TY300
Display	3.5" color LED with Bluetooth
App	controlled via the ENGWE app
Lighting	front 30 lux + rear with braking function
Water resistance	IPX4-IPX7 (depending on component)
Maximum load capacity	150 kg
Bike weight	33.2 kg
User height	approx. 155–190 cm
Certification	CE (EN15194)
Color	Black
Overall length	168 cm
Handlebar height	110.2 cm
Saddle height	82–102 cm

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Wheelbase 112.5 cm

Dimensions when folded 100 × 51 × 75 cm

GPSR Link: https://psr-assets.innpro.pl/electric_bikes/sg_electric_bikes.pdf, Gross weight: 45000, Net weight: 39500, Box length: 145,00, Box width: 28,00, Box height: 64,00, Information about data generation: <https://dataact.innpro.pl/ENGWE/6975639441071>, PPWR: <https://ppwr.innpro.pl/engwe>

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