

ESKUTE D100

ESKUTE D100 Folding E-Bike User Manual

Model: D100

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your ESKUTE D100 Folding E-Bike. Please read this manual thoroughly before your first ride and retain it for future reference. The ESKUTE D100 is a 16 x 2.5 inch electric bicycle designed for urban commuting and short-distance travel, featuring a foldable design for convenient storage and transport.



Image 1.1: The ESKUTE D100 Folding E-Bike in its unfolded state, showcasing its compact design and integrated components.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. The ESKUTE D100 is equipped with StVZO-certified front and rear lights for visibility and safety in road traffic.

- Regularly inspect brakes, tires, and battery connections before each ride.
- Ensure the folding mechanisms are securely locked before riding.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.

3. PACKAGE CONTENTS

Upon unpacking, verify that all components are present:

- 1 x ESKUTE D100 Folding E-Bike
- 1 x Saddle
- 1 x Tool Set
- 1 x Charger
- 1 x Warranty Card
- 2 x Folding Pedal Rails

4. ASSEMBLY

The ESKUTE D100 E-Bike arrives 85% pre-assembled. Final assembly typically takes approximately 1 minute. For detailed visual guidance, refer to the installation video tutorials available on the official ESKUTE website or the electronic instruction manual.

4.1 Initial Setup Steps:

1. Carefully remove the e-bike from its packaging.
2. Unfold the frame and handlebar, ensuring all locking mechanisms engage securely.
3. Install the saddle and adjust its height to a comfortable riding position (suitable for riders 155-185 cm).
4. Attach the folding pedals.
5. Perform a pre-ride safety check, including tire pressure, brake function, and battery connection.

5. OPERATING INSTRUCTIONS

5.1 Battery Installation and Charging

The ESKUTE D100 is equipped with a removable 36V 13Ah Li-ion battery (468Wh) with temperature management. The battery can be easily unlocked with a key for removal and charged either on or off the bike.

- **Charging:** Connect the charger to the battery charging port and then to a standard power outlet. The charging indicator on the charger will show the charging status.
- **Range:** A fully charged battery provides a range of up to 100 km under optimal conditions (75 kg rider, flat terrain, eco mode).

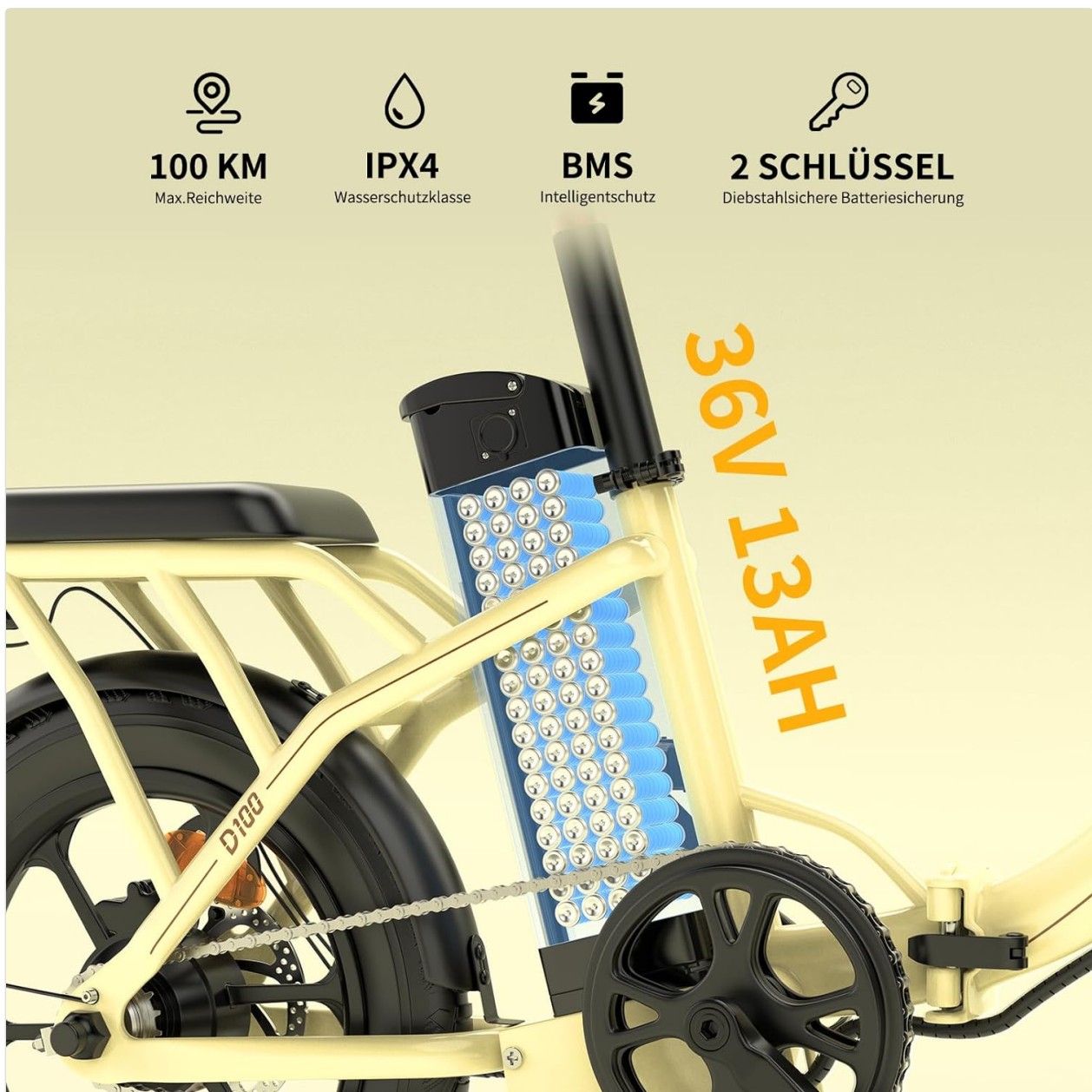


Image 5.1: Illustration of the 36V 13Ah removable battery, highlighting its 100 km maximum range, IPX4 water resistance, BMS intelligent protection, and key-secured locking mechanism.

5.2 Electronic Controls and Display

The e-bike features an intuitive digital display that provides real-time information and allows control over assistance levels.

- **Display Functions:** Real-time display of speed, remaining battery power, and trip distance.
- **Pedal Assist:** Three support levels for electric pedal assistance.
- **USB Charging Port:** An integrated USB charging port is available for mobile devices.

ELEKTRONISCHE STEUERUNGS-AUSSTATTUNG

- Echtzeitanzeige von Geschwindigkeit, verbleibender Akkuleistung und Fahrstrecke.
- Drei Unterstützungsstufen der elektrischen Tretkraftassistenz
- Integrierte Handyhalterung mit Ladeanschluss

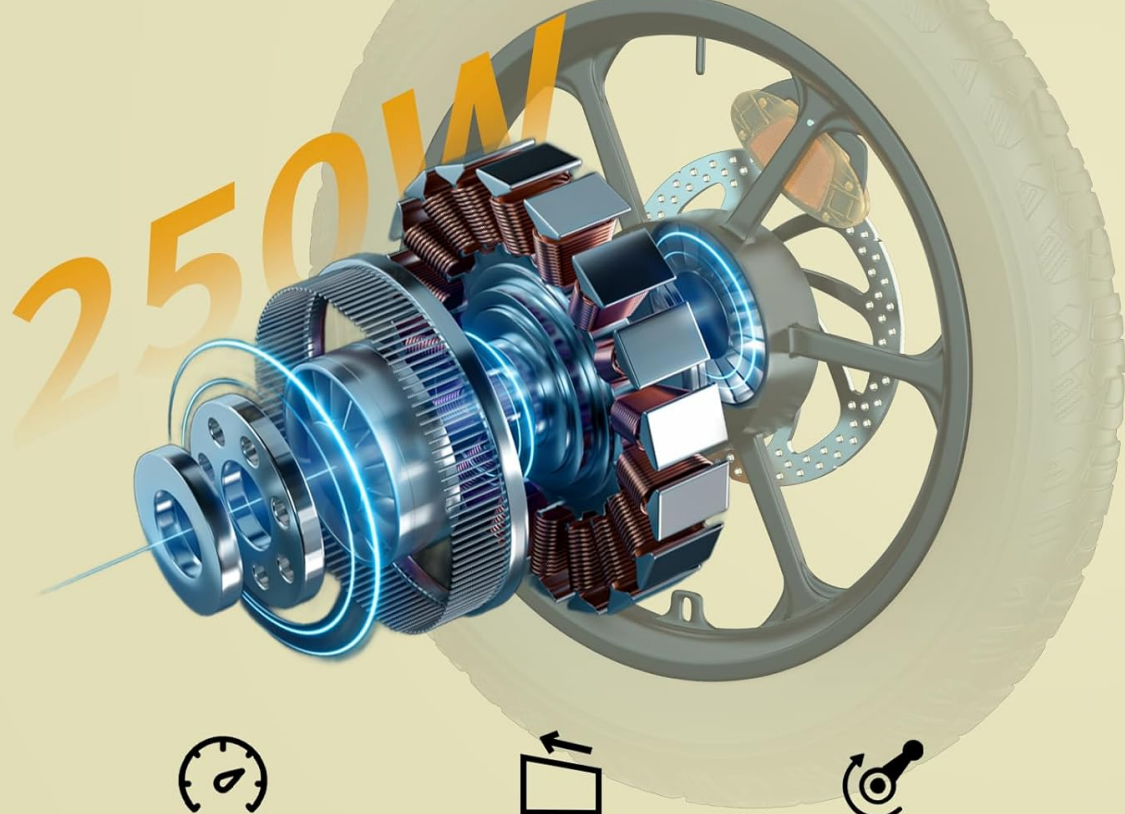


Image 5.2: Close-up of the handlebar-mounted electronic display showing speed, battery, and trip data, along with the integrated USB charging port for a smartphone.

5.3 Riding the E-Bike

The ESKUTE D100 is powered by a 250W brushless motor, delivering 45 N·m of torque and assisting speeds up to 25 km/h. It features a front suspension system for comfort and stability.

LEISTUNGSSTARKER BÜRSTENLOSER MOTOR



25 KM/H

Max. Geschwindigkeit

15°

Max. Steigung

45 N • m

Drehmoment

Image 5.3: Diagram illustrating the 250W brushless motor, capable of a maximum speed of 25 km/h, a maximum incline of 15°, and 45 N·m of torque.

VORDERRAD- FEDERUNGSSYSTEM

Komfort und Sicherheit auf jedem
Gelände



Image 5.4: View of the front wheel and fork, highlighting the front suspension system designed for comfort and safety on various terrains.

5.4 Folding and Unfolding

The ESKUTE D100 features a revolutionary folding technology, allowing for quick folding in approximately 20 seconds (frame, handlebar, and pedals). This makes it ideal for commuters and easy storage.

16×2.50" Größentabelle E-Bike

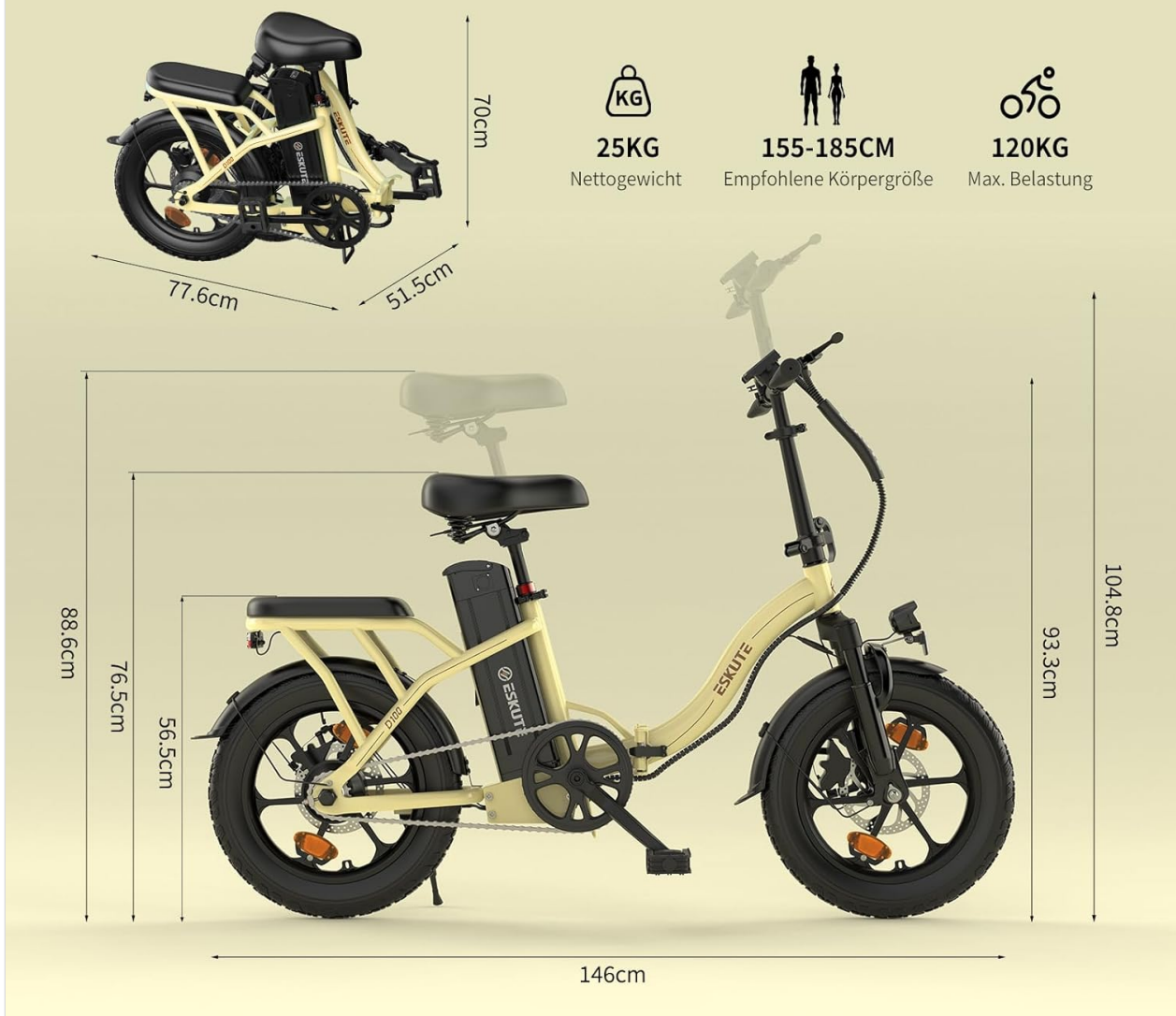


Image 5.5: A size chart displaying the dimensions of the ESKUTE D100 E-Bike in both unfolded and folded states, including net weight (25kg), recommended height (155-185cm), and maximum load (120kg).

6. MAINTENANCE

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

- **Brakes:** The e-bike is equipped with 160mm mechanical disc brakes on both front and rear wheels. Regularly check brake pads for wear and ensure proper brake lever tension.
- **Tires:** The 16 x 2.5 inch tires provide stability. Maintain recommended tire pressure for optimal performance and safety.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery and charge it regularly, even when not in use, to prolong its lifespan.
- **Cleaning:** Clean the e-bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** Periodically lubricate the chain and other moving parts as needed.

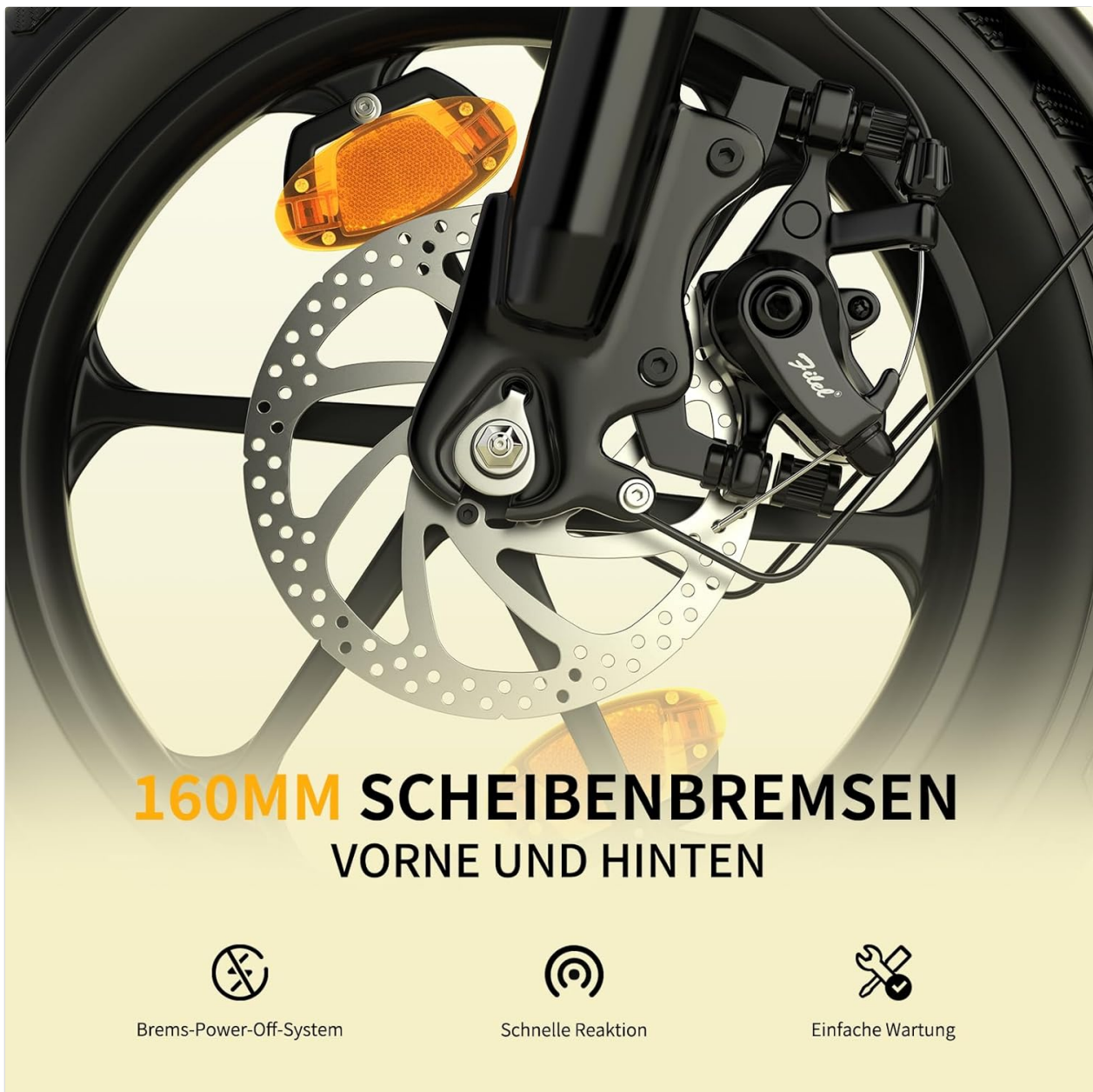


Image 6.1: Close-up of the 160mm mechanical disc brakes on the front wheel, highlighting their power-off system, quick reaction, and ease of maintenance.

ROBUSTER GEPÄCKTRÄGER

mit Sitzkissen



Image 6.2: The robust rear pannier rack with a seat cushion, demonstrating its capacity to carry up to 25 kg, suitable for bags or baskets.

BREITER

BEQUEMER SATTEL

Unterstützt Höhenverstellung für unterschiedliche Fahrbedürfnisse



Image 6.3: Detailed view of the wide and comfortable saddle, featuring a spring base for shock absorption, adjustable height, and waterproof material for enhanced rider comfort.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your ESKUTE D100 E-Bike.

Problem	Possible Cause	Solution
E-bike does not power on	Battery not charged or improperly installed.	Ensure battery is fully charged and securely seated. Check power button.
Motor not assisting	Pedal assist level set to zero, or brake levers engaged.	Increase pedal assist level on the display. Release brake levers completely.
Brakes feel weak	Worn brake pads or loose cable.	Inspect brake pads and replace if necessary. Adjust brake cable tension.
Unusual noises during ride	Loose components, dry chain, or tire rubbing.	Check all bolts and connections. Lubricate chain. Inspect tires for obstructions.

8. SPECIFICATIONS

Feature	Specification
Model	D100
Bike Type	Commuting Bike, Foldable
Age Range	Adult
Wheel Size	16 Inches (16 x 2.5 inch tires)
Frame Material	Carbon Steel
Motor	250W Brushless Motor
Max Speed	25 km/h
Torque	45 N·m
Battery	Removable 36V 13Ah Li-ion (468Wh)
Max Range	Up to 100 km (under optimal conditions)
Brake Type	160mm Mechanical Disc Brakes (Front & Rear)
Suspension	Front Suspension
Number of Speeds	1
Special Features	Adjustable Seat, Digital Display, Foldable, Headlight, Multi-Speed, Rear Pannier Rack (25kg capacity)
Folded Dimensions	70 x 77 x 53 cm (approx.)
Net Weight	25 kg
Recommended Rider Height	155-185 cm

9. WARRANTY AND SUPPORT

The ESKUTE D100 E-Bike comes with a 1-year warranty. For any technical assistance, warranty claims, or support inquiries, please contact ESKUTE customer service. Further resources, including installation video tutorials and electronic instruction manuals, are available on the official ESKUTE website.