

## ENGWE Electric Powered Folding Mobility Scooter

# ENGWE Electric Powered Folding Mobility Scooter User Manual

Model: Electric Powered Folding Mobility Scooter

## 1. OVERVIEW

Thank you for choosing the ENGWE Electric Powered Folding Mobility Scooter. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new mobility device. Please read this manual thoroughly before using the scooter to ensure proper function and to prevent injury or damage.

This lightweight and foldable mobility scooter is designed for adults and seniors, offering portability and convenience for various travel needs. It features a robust aluminum frame, dual removable lithium batteries for extended range, and an intuitive control system.



Image: The ENGWE Electric Powered Folding Mobility Scooter in its compact, folded state, viewed from the side.

## 2. SAFETY INFORMATION

Your safety is paramount. Always adhere to the following safety guidelines:

- Always wear appropriate safety gear, including a helmet, when operating the scooter.
- Ensure the scooter is fully unfolded and locked in place before use.
- Do not exceed the maximum weight capacity of 265 lbs (120 kg).
- Operate the scooter at a safe speed, especially in crowded areas or on uneven terrain.
- Be aware of your surroundings and avoid distractions while driving.
- Do not operate the scooter under the influence of alcohol or drugs.

- Regularly inspect tires, brakes, and battery connections for proper function.
- Avoid sharp turns at high speeds to prevent tipping.
- Use headlights and taillights when operating in low-light conditions.

### 3. PACKAGE CONTENTS

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The ENGWE Electric Powered Folding Mobility Scooter arrives approximately 90% pre-assembled. Please verify that all components are present and undamaged upon delivery:

- Main Scooter Frame (partially assembled)
- Wheels (may require attachment)
- Operating Rods (handlebars)
- Front Basket
- Armrests
- 2 x 24V 10AH Lithium Batteries
- Battery Charger
- User Manual (this document)

### 4. SETUP AND INITIAL ASSEMBLY

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#### 4.1 Unfolding the Scooter

The scooter is designed for easy folding and unfolding. Follow these steps to prepare your scooter for use:

1. Place the scooter on a flat, stable surface.
2. Release any locking mechanisms securing the scooter in its folded position.
3. Carefully lift the handlebars and seat assembly until the frame fully extends and locks into place.  
Ensure all locking pins or levers are securely engaged.
4. Adjust the seat height and handlebar angle to your comfort.

# Smart Operation Panel

## Easy to use and Easy to start



Image: Diagram illustrating the simple two-step folding and unfolding process of the ENGWE mobility scooter, transitioning from an upright to a compact form.

### 4.2 Attaching Components

While 90% pre-assembled, some parts may require attachment:

- **Wheels:** If not already attached, secure the wheels according to the provided hardware.
- **Operating Rods (Handlebars):** Insert and secure the handlebars into the steering column.
- **Front Basket:** Attach the front basket to the designated mounting point on the steering column.
- **Armrests:** Secure the armrests to the seat assembly.

### 4.3 Initial Battery Charge

Before first use, fully charge both lithium batteries. Refer to Section 6 for detailed battery information and charging instructions.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Control Panel Overview

Familiarize yourself with the control panel for safe and effective operation:



Image: Close-up image of the ENGWE mobility scooter's control panel, labeling the Speed Governor, Battery Indicator, Keyhole, Forward Lever, Reverse Lever, Headlight Switch, and Safety Horn.

- **Keyhole:** Insert the key and turn to power on/off the scooter.
- **Battery Indicator:** Displays the current battery charge level.
- **Speed Governor:** Adjusts the maximum speed of the scooter.
- **Forward Lever:** Push forward to move the scooter forward.
- **Reverse Lever:** Pull backward to move the scooter in reverse.
- **Headlight Switch:** Activates the front LED headlight.
- **Safety Horn:** Press to sound the horn.

### 5.2 Starting and Driving

1. Ensure the scooter is fully unfolded and locked.
2. Insert the key into the keyhole and turn it to the 'ON' position.
3. Check the battery indicator to ensure sufficient charge.
4. Adjust the speed governor to your desired speed setting.
5. Gently push the forward lever to begin moving. Release the lever to slow down and stop.
6. To reverse, gently pull the reverse lever.

### 5.3 Constant Speed System

The scooter is equipped with a unique constant speed system. This system automatically adjusts power to maintain a consistent speed on slopes and turns, preventing sudden acceleration or deceleration. This feature enhances safety and stability.

## Long-Lasting 10Ah×2 Lithium Battery



High-Quality Power for  
Extended Range  
and Reliable Performance

\*Note: This mobility scooter comes with one battery as standard. It includes an additional slot for a second battery, which can be purchased separately and carried on the scooter for extended range.

Image: Image demonstrating the Smart Hill Assist feature of the ENGWE mobility scooter, showing it boosting power uphill and automatically slowing downhill on a 12-degree incline.

### 5.4 Driving and Freewheel Modes

The scooter offers two modes:

- **Driving Mode:** Engages the motor for powered movement.

- **Freewheel Mode:** Disengages the motor, allowing the scooter to be manually pushed. This is useful for moving the scooter without power or in situations where the motor is not needed. To engage freewheel mode, locate the red lever near the rear wheel and turn it down. To return to driving mode, turn the lever up.

## 6. BATTERY INFORMATION

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### 6.1 Battery Specifications

Your ENGWE mobility scooter is equipped with two removable 24V 10AH lithium batteries, providing a combined capacity for extended travel up to 24 miles on a single charge. One battery acts as a backup, allowing for seamless switching when the primary battery is depleted.

# Fold and Unfold in Seconds



**ENGWE Ease 2 Pro**  
can be folded and unfolded in two simple steps

Image: Image highlighting the dual 24V 10AH lithium batteries of the ENGWE mobility scooter, emphasizing their long-lasting power for extended range.

## 6.2 Charging Procedure

1. Ensure the scooter is turned off before charging.
2. Locate the charging port on the scooter or remove the battery for off-board charging.
3. Connect the charger to the battery/scooter, then plug the charger into a standard electrical outlet.
4. The charger indicator light will typically show red during charging and turn green when fully charged.
5. Do not overcharge the batteries. Disconnect the charger once charging is complete.

### 6.3 Battery Care and Maintenance

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid completely draining the batteries before recharging.
- If storing the scooter for an extended period, charge the batteries to approximately 50-70% and recharge every 1-2 months to maintain battery health.
- Only use the official ENGWE charger provided with your scooter.

## 7. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and safe operation of your scooter.

- **Cleaning:** Wipe down the scooter with a damp cloth. Avoid using harsh chemicals or direct water spray, which can damage electrical components.
- **Tires:** Regularly check tire pressure and for any signs of wear or damage. Maintain proper inflation as specified.
- **Brakes:** Ensure brakes are functioning correctly and respond promptly. If you notice any degradation in braking performance, consult a qualified technician.
- **Fasteners:** Periodically check all bolts, screws, and fasteners to ensure they are tight.
- **Electrical Connections:** Inspect all visible electrical connections for corrosion or damage.
- **Storage:** When not in use, store the scooter in a dry, protected area. If storing outdoors, use a high-quality protective cover.

## 8. TROUBLESHOOTING

If you encounter issues with your ENGWE mobility scooter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scooter does not power on.	Battery not properly installed or charged; key not in 'ON' position; power switch off.	Ensure batteries are fully charged and correctly seated. Turn the key to 'ON'. Check main power switch.
Scooter does not move forward/backward.	Freewheel mode engaged; control lever not fully engaged; motor connection issue.	Ensure freewheel lever is in 'Driving Mode' (up position). Push/pull control lever firmly. Check motor connections.
Reduced range or power.	Low battery charge; aging battery; heavy load; tire pressure.	Fully charge batteries. Consider battery replacement if old. Check tire pressure. Reduce load.
Unusual noises during operation.	Loose components; motor issue; wheel bearing issue.	Inspect for loose parts and tighten. If noise persists, contact customer support.

If you cannot resolve an issue using this guide, please contact ENGWE customer support for assistance.

## 9. SPECIFICATIONS

Key technical specifications for the ENGWE Electric Powered Folding Mobility Scooter:

- **Model:** Electric Powered Folding Mobility Scooter
- **Brand:** ENGWE
- **Unfolded Dimensions (L x W x H):** 38.78" x 19.69" x 35.04"
- **Folded Dimensions (L x W x H):** 38.78" x 19.69" x 13.78"
- **Scooter Net Weight:** 43.2 lbs (19.6 kg)
- **Maximum Load Capacity:** 265 lbs (120 kg)
- **Motor:** 270W Brushless Motor
- **Batteries:** 2 x 24V 10AH Removable Lithium Batteries (240WH each)
- **Max Travel Range:** Up to 24 miles (on a single charge with dual batteries)
- **Adjustable Speed:** 0-4.97 mph (0-8 km/h)
- **Tires:** 8-inch
- **Climbing Ability:** Up to 12° incline
- **Obstacle Clearance:** Up to 3.15 inches
- **Frame Material:** Durable Aluminum Alloy
- **Features:** Constant Speed System, LED Headlights & Taillights, Waterproof Front Basket, Ergonomically Adjustable Handlebars

### Wide & Plush Seat

Enjoy Maximum Comfort  
on Every Ride



Image: Image displaying the ENGWE mobility scooter in both its unfolded and folded states, with key dimensions labeled for height, width, and depth.

### Express Your Style with Three Color Options



Image: Close-up image of the durable aluminum alloy frame of the ENGWE mobility scooter, illustrating its robust yet lightweight construction.



Image: Image showing the ergonomically adjustable handlebars and steering post of the ENGWE mobility scooter, designed for enhanced comfort and control.



Image: Image of the bright LED headlights on the ENGWE mobility scooter, illuminating the path for safe nighttime travel.



Image: Close-up image of the wide and plush seat of the ENGWE mobility scooter, designed for maximum comfort during rides.

Image: Image of the waterproof front basket attached to the ENGWE mobility scooter, providing durable and weather-resistant storage.

## 10. WARRANTY AND SUPPORT

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ENGWE provides after-sales service for its products. For specific warranty details, please refer to the warranty card included with your purchase or visit the official ENGWE website. If you have any questions, require technical assistance, or need to report an issue, please contact ENGWE customer support. Contact information can typically be found on the product packaging or the official ENGWE website.

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