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Ecomobi MS01F

Ecomobi MS01F Lightweight Foldable Mobility Scooter User Manual

Model: MS01F | Brand: Ecomobi

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and care of your Ecomobi MS01F Lightweight Foldable Mobility Scooter. Please read this manual thoroughly before using your scooter to ensure proper usage and to maximize its lifespan.
The Ecomobi MS01F is a lightweight, foldable 4-wheel motorized scooter designed for adults and seniors, offering a balance of portability and performance. Key features include:

- **Lightweight & Foldable Design:** Weighing approximately 41 lbs, it folds easily for transport and storage.
- **Airline-Friendly Battery:** Equipped with a removable 12Ah lithium battery, suitable for air travel.
- **Extended Range:** Offers a range of 12 miles with a single 12Ah battery, or up to 24 miles with dual 12Ah batteries (sold separately).
- **Robust Performance:** Features a 350W brushless motor, supporting up to 300 lbs capacity and handling slopes up to 15°.
- **Enhanced Safety:** Includes LED lights, an electromagnetic braking system, front bumper protection, and rear anti-tip wheels.
- **Convenient Storage:** Provides four storage areas: front basket, rear basket, under-seat bag, and rear pocket.

2. Safety Information

Always prioritize safety. Failure to follow these instructions may result in injury or damage to the scooter.

- **Battery Check:** Before each use, ensure the battery is correctly placed and fully connected. The scooter has two battery slots, but only the front slot is active. For 12Ah models, one battery is supplied; for 24Ah models, two batteries are supplied.
- **Battery Location:** If you cannot locate the battery, it may be situated under the black foot mat or within the white foam packaging. Contact customer support if needed.
- **Weight Capacity:** Do not exceed the maximum weight capacity of 300 lbs.
- **Slope Limits:** The scooter is designed for slopes up to 15°. Avoid steeper inclines.
- **Environmental Conditions:** Use caution on uneven terrain, wet surfaces, or in adverse weather conditions.
- **Braking:** Familiarize yourself with the electromagnetic braking system. Releasing the controller will automatically engage the brakes.

- **Visibility:** Always use the LED headlight and taillight in low-light conditions to ensure visibility.

3. Product Overview

The Ecomobi MS01F is engineered for ease of use and reliability. Below are visual guides to its key features and components.



Figure 3.1: The MS01F scooter in its folded state, easily fitting into a car trunk. Its compact design makes it highly portable for travel and

storage.



Figure 3.2: Overview of the four convenient storage areas: a front basket, a rear basket, an under-seat bag, and a rear pocket, designed for daily errands and personal items.



Figure 3.3: Safety features including the automatic braking system, a tight 55-inch turning radius for maneuverability, an anti-collision bar, and anti-tipping wheels for stability.



Figure 3.4: The easy-to-use control panel, featuring a speed dial, digital display, power switch, horn, and headlight controls.

4. Setup

4.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect the scooter for any signs of damage during transit. Ensure all parts listed in the packing list are present.

4.2 Unfolding the Scooter

The Ecomobi MS01F features a quick-folding mechanism. Follow these steps to unfold your scooter:

1. Place the scooter on a flat, stable surface.
2. Locate the folding release lever, typically near the base of the seat or tiller.
3. Engage the release mechanism and gently lift the tiller and seat assembly until the scooter locks into its upright position.
4. Ensure all locking mechanisms are securely engaged before use.

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Video 4.1: This video demonstrates the unfolding process of a lightweight foldable mobility scooter, similar to the Ecomobi MS01F, highlighting its ease of setup.

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Video 4.2: A concise demonstration of the compact folding and unfolding of the MS01F mobility scooter, showcasing its portability.

4.3 Battery Installation and Charging

The MS01F uses a removable lithium battery. Ensure the battery is fully charged before first use.

1. Locate the battery compartment, typically under the seat or foot mat.
2. Insert the battery into the **front slot** of the compartment. Ensure it is securely connected.
3. Connect the charger to the charging port on the battery or scooter, then plug the charger into a standard wall outlet.
4. A single 12Ah battery typically charges in 5-8 hours. If using dual batteries, charging time may be 10-15 hours.
5. The charger indicator light will change (e.g., from red to green) when charging is complete.



Figure 4.1: Instructions for installing and charging the removable lithium battery. Note that only the front slot provides power.

5. Operating Instructions

5.1 Control Panel Functions

Familiarize yourself with the control panel before operating the scooter.

- **Power Switch:** Turns the scooter on/off.
- **Speed Dial:** Adjusts the maximum speed of the scooter.
- **Digital Display:** Shows current speed, battery level, and mileage.
- **Lever:** Push forward to move forward, pull backward to move in reverse.
- **Headlight Button:** Activates the front LED headlight.
- **Horn Button:** Sounds the horn for alerts.

5.2 Driving the Scooter

1. Ensure the battery is charged and properly installed.
2. Turn on the power switch.
3. Adjust the speed dial to a comfortable setting, starting with a low speed.
4. Gently push the lever forward to move forward. Release the lever to stop.
5. To reverse, gently pull the lever backward.
6. Use the headlight in low-light conditions.

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Video 5.1: This video introduces the Ecomobi MS01F, demonstrating its features and ease of use in various environments, providing a general overview of its operation.



Figure 5.1: The scooter's bright LED headlight, taillight, and ambient lighting ensure safety and visibility during nighttime operation.



Figure 5.2: The powerful 350W brushless motor and solid all-terrain tires allow for smooth navigation across various surfaces, including gravel, grass, and city streets.

6. Maintenance

6.1 Battery Care

- Always charge the battery fully after each use, even if only used for a short period.
- Avoid completely draining the battery, as this can reduce its lifespan.
- If storing the scooter for an extended period, charge the battery every 1-2 months to maintain its health.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.

6.2 Cleaning and General Care

- Clean the scooter regularly with a damp cloth and mild detergent. Avoid using abrasive cleaners or solvents.
- Do not spray water directly onto electrical components.
- Inspect tires for wear and tear, and ensure they are free from debris.
- Check all fasteners and connections periodically to ensure they are tight and secure.

7. Troubleshooting

This section addresses common issues you might encounter with your Ecomobi MS01F scooter.

Problem	Possible Cause	Solution
Scooter does not power on.	Battery not installed correctly or discharged.	Ensure battery is fully charged and securely placed in the front slot. Check power switch.
Reduced range or power.	Low battery charge, old battery, or heavy load.	Fully charge the battery. Consider battery replacement if it's old. Reduce load.
Scooter moves slowly or inconsistently.	Speed dial set too low, uneven terrain, or motor issue.	Adjust speed dial. Avoid rough terrain. If issue persists, contact support.

Problem	Possible Cause	Solution
Brakes not engaging properly.	Controller issue or brake system malfunction.	Ensure the controller lever is fully released. If the problem continues, discontinue use and contact support.

For issues not listed here, or if solutions do not resolve the problem, please contact Ecomobi customer support.

8. Specifications

Feature	Detail
Model Number	MS01F
Product Dimensions (D x W x H)	37 x 19 x 36 inches
Item Weight	41 Pounds
Maximum Weight Recommendation	300 Pounds
Maximum Speed	5 Miles per Hour
Turn Radius	55 Inches
Brake Style	Electromagnetic
Power Source	Battery Powered
Battery Average Life	6 years
Motor	350W Brushless
Frame Material	Aluminum
Wheel Size	7.5 Inches
Seat Width	15 Inches
Seat Height	21.5 Inches
Seat Depth	12.5 Inches
Handle Height	34 Inches
Additional Features	Foldable, Lightweight, Portable
Required Assembly	No

9. Warranty & Support

Your Ecomobi MS01F Mobility Scooter comes with a**1-Year Manufacturer Warranty**, ensuring peace of mind regarding manufacturing defects and component failures under normal use.
Ecomobi is committed to providing responsive customer service and warranty support. For any inquiries, technical assistance, or warranty claims, please contact us:

- **Online Mail Service:** ECOMOBICLUB@OUTLOOK.COM (Available 7/24)
- **Service Telephone:** +1(833)866-8282 (Available Mon-Fri, 9AM-6PM EST)

Please have your model number (MS01F) and purchase date ready when contacting support.

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