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TopMate ES35

TopMate ES35 Powered Scooter Instruction Manual

Model: ES35

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1. SAFETY GUIDELINES

Before operating the TopMate ES35 Powered Scooter, please read and understand all safety instructions. Failure to follow these guidelines may result in injury or damage to the scooter.

- Always wear a helmet and appropriate protective gear (knee and elbow pads) when riding.
- The scooter is designed for adults. It is not recommended for individuals over 65 years of age without prior experience or consultation with a medical professional.
- Maintain a safe speed. Reduce speed to 3 mph (5 km/h) or below when turning to prevent tipping.
- Ensure the battery is fully charged before each use.
- Do not operate the scooter under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions, such as heavy rain or snow.
- Adhere to local traffic laws and regulations.
- Regularly inspect the scooter for any signs of damage or wear before each ride.

2. PRODUCT COMPONENTS

Familiarize yourself with the main components of your TopMate ES35 scooter.



Figure 2.1: Overall view of the TopMate ES35 Powered Scooter.



Figure 2.2: Ergonomic seat with backrest for comfortable riding.



Figure 2.3: Handlebar showing the key switch, display, and brake lever.



Figure 2.4: Front wheel with integrated suspension for a smoother ride.

3. SETUP AND ASSEMBLY

The TopMate ES35 scooter is designed for easy folding and unfolding. Follow these steps for initial setup and to prepare for use.

3.1 Unfolding the Scooter

1. **Lift the Seat:** Locate the seat and lift it upwards to its highest point.
2. **Lower the Seat:** Gently lower the seat into its riding position, ensuring it locks securely.
3. **Merge Scooter Bodies:** Bring the front and rear sections of the scooter together until they align and lock into place.
4. **Rotate Front Section:** Push the front folding switch upwards and simultaneously rotate the front section of the scooter to the opposite side until it is fully extended and locked.



Figure 3.1: Visual guide for folding and unfolding the scooter.

3.2 Battery Installation and Charging

The TopMate ES35 features a removable 36V 7.8Ah lithium battery.

- **Installation:** Insert the battery into its designated compartment, ensuring it clicks securely into place.
- **Charging:** Connect the charger to the scooter's charging port or directly to the removed battery. Plug the charger into a standard electrical outlet. The charging time is approximately 3.5 hours.

- **Security:** Use the provided key to lock the battery compartment for enhanced security.



Figure 3.2: Removable battery and its specifications.

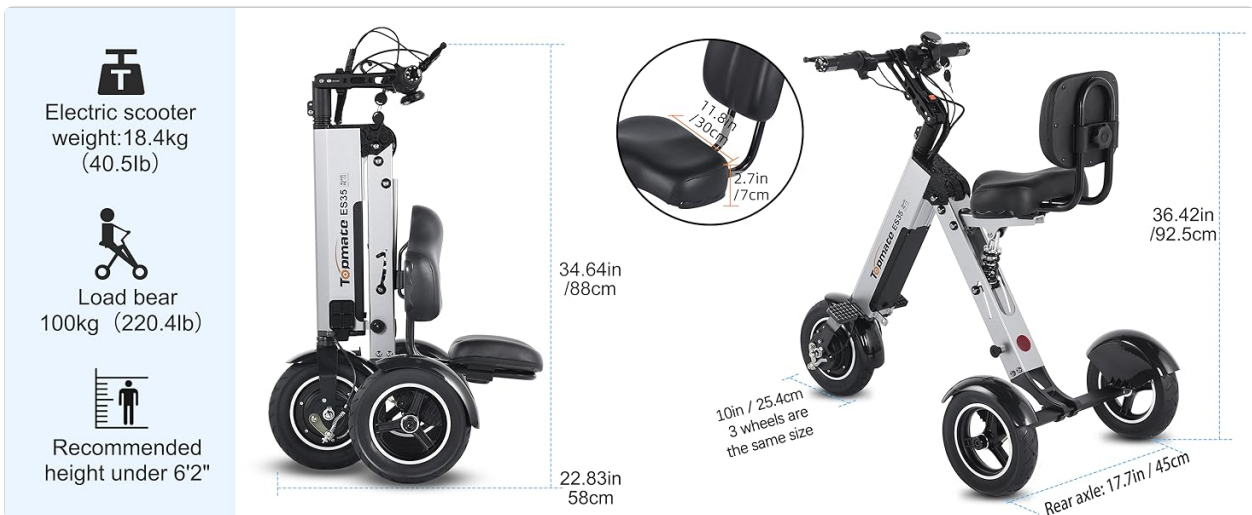


Figure 3.3: Charging the removable battery.

4. OPERATING INSTRUCTIONS

4.1 Starting and Stopping

- **Power On:** Insert the key into the ignition and turn it to the "ON" position. The display will illuminate.
- **Power Off:** Turn the key to the "OFF" position and remove it.
- **Braking:** Use the front braking lever on the handlebar to slow down or stop the scooter. The parking brake can be engaged for stationary security.

4.2 Speed Modes and Reverse Function

The scooter offers three adjustable speed settings and a reverse function.



Figure 4.1: Handlebar controls and speed mode display.

- **Speed Adjustment:** Use the speed selector switch on the handlebar to choose between three modes:
 - **Low Speed:** 3 mph (5 km/h) - Recommended for turning and crowded areas.
 - **Medium Speed:** 7 mph (11 km/h) - Suitable for daily driving.
 - **High Speed:** 15 mph (24 km/h) - For open areas, exercise caution.
- **Reverse Function:** Press the dedicated button on the handlebar to switch to reverse mode. The maximum reverse speed is 3 mph. Press again to switch back to forward.

4.3 Display Information

The LED display provides real-time information:

- **Battery Level:** Indicates the remaining battery charge.
- **Current Speed:** Shows your current travel speed.
- **Mileage:** Displays the distance traveled.

4.4 Riding Tips

- Maintain a comfortable posture with both feet on the footrests.
- Always be aware of your surroundings and potential obstacles.
- Avoid sudden turns at high speeds.
- For optimal stability, especially when turning, reduce your speed.

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Video 4.1: Demonstration of the TopMate ES35 scooter in use, showcasing its maneuverability and features.

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Video 4.2: Short clip demonstrating key features and operation of the scooter.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your TopMate ES35 scooter.

5.1 Cleaning

- Wipe down the scooter with a damp cloth after each use to remove dirt and dust.
- Avoid using harsh chemicals or abrasive cleaners that could damage the finish.
- Do not use high-pressure water jets directly on electrical components.

5.2 Battery Care

- Charge the battery fully after each ride, even if only partially discharged.
- If storing the scooter for an extended period, charge the battery to approximately 50-70% and recharge every 1-2 months to prevent deep discharge.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.

5.3 Tire Pressure

- Regularly check the tire pressure. Proper inflation is crucial for ride comfort, efficiency, and safety.
- Refer to the tire sidewall for the recommended pressure (PSI).

5.4 General Inspection

- Check all bolts and fasteners regularly to ensure they are tight.
- Inspect brake cables and levers for proper function and wear.
- Ensure all folding mechanisms are clean and operate smoothly.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your TopMate ES35 scooter.

Problem	Possible Cause	Solution
Scooter does not power on.	Battery is not charged or not properly installed. Key is not in "ON" position.	Ensure battery is fully charged and correctly inserted. Turn the key to the "ON" position.
Reduced range or power.	Low battery charge. Tire pressure is too low. Overloading the scooter.	Charge the battery fully. Check and adjust tire pressure. Ensure load does not exceed 220.5 lbs (100 kg).
Unusual noises during operation.	Loose components. Debris in wheels.	Inspect all visible parts for looseness. Check wheels for obstructions. If noise persists, contact support.
Difficulty folding/unfolding.	Mechanism is stiff or obstructed.	Ensure all locking pins are disengaged. Clean any dirt or debris from the folding joints. Apply a small amount of lubricant if necessary.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact TopMate customer support.

7. SPECIFICATIONS

Key technical specifications for the TopMate ES35 Powered Scooter:

Feature	Detail
Model Name	ES35
Brand	TopMate
Motor Power	250W Brushless Motor
Top Speed	15 mph (24 km/h)
Speed Modes	3 mph (Low), 7 mph (Medium), 15 mph (High)
Reverse Speed	3 mph (5 km/h)
Battery Type	Removable 36V 7.8Ah Lithium Battery (281Wh)
Max Range	15.53 - 18.64 miles (25-30 km)
Charging Time	Approximately 3.5 hours
Scooter Weight	35.5 lbs (18.4 kg)
Max Load Capacity	220.5 lbs (100 kg)
Number of Wheels	3
Wheel Size	10 Inches (Pneumatic Tires)
Frame Material	Aluminum
Brake Style	Front Braking
Special Features	Foldable, Removable Battery, Key Switch, Backrest Seat



Figure 7.1: Scooter dimensions and weight specifications.



Figure 7.2: Motor specifications including power and rotating speed.

8. WARRANTY & SUPPORT

8.1 Warranty Information

The TopMate ES35 Powered Scooter comes with a **2-year warranty service**. This warranty covers manufacturing defects and ensures peace of mind for your purchase. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact TopMate customer support. You can typically find contact information on the official TopMate website or through your retailer. When contacting support, please have your model number (ES35) and purchase date available.