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PORIYA ES-003

PORIYA ES-003 Electric Scooter User Manual

Model: ES-003

1. Introduction

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your PORIYA ES-003 Electric Scooter. Please read this manual thoroughly before your first ride to ensure proper use and to maximize your riding experience.
The PORIYA ES-003 is an 8.5-inch adult electric scooter designed for urban commuting, featuring a 900W motor, 36V 7.8Ah battery, and a folding design for portability.

2. Safety Information

WARNING: Always wear a helmet and appropriate safety gear when riding. Obey all local traffic laws and regulations. Riding an electric scooter carries inherent risks, including injury or death. Ride responsibly.

- Always inspect the scooter before each ride for loose parts, tire pressure, and brake functionality.
- Do not ride in wet conditions, heavy rain, or through puddles.
- Avoid riding on uneven surfaces, potholes, or obstacles.
- Maintain a safe distance from other vehicles and pedestrians.
- Do not perform stunts or sudden maneuvers.
- Ensure the battery is adequately charged before riding.
- Do not exceed the maximum weight limit of 120 kg (264.5 lbs).
- Keep both hands on the handlebars while riding.
- Familiarize yourself with the braking system and practice stopping in a safe area.
- Children should only operate the scooter under adult supervision and with appropriate safety measures.

3. Product Overview and Components

Familiarize yourself with the main parts of your PORIYA ES-003 Electric Scooter.



Figure 3.1: Labeled components of the PORIYA ES-003 Electric Scooter.

- **LED Display:** Shows speed, battery level, and riding mode.
- **Brake Lever:** Activates the electronic and rear disc brakes.
- **Accelerator:** Controls the scooter's speed.
- **Control Panel:** For power and mode selection.
- **Front LED Light:** Illuminates the path ahead.
- **Folding Clip & Mechanism:** Allows for quick folding and unfolding.
- **Charging Port:** Connects to the power adapter for battery charging.
- **Battery:** Integrated lithium battery.
- **Kickstand:** For parking the scooter.
- **Hub Motor:** Provides propulsion.
- **Disc Brake:** Rear wheel mechanical brake for stopping.



Figure 3.2: The PORIYA ES-003 Electric Scooter in its operational configuration, alongside its mobile application interface.

4. Setup and Initial Use

4.1 Unfolding the Scooter

1. Place the scooter on a flat surface.
2. Pull down the folding latch located near the base of the handlebar stem.
3. Carefully lift the handlebar stem until it locks into the upright position. Ensure the locking mechanism is fully engaged.
4. Adjust the handlebar height if necessary (refer to specifications for adjustable range).



Figure 4.1: Step-by-step guide for unfolding the scooter.

4.2 Initial Charging

Before your first ride, fully charge the scooter's battery. The charging port is typically located on the side of the deck.

- Connect the charger to the charging port.
- Plug the charger into a standard wall outlet.
- The indicator light on the charger will change (e.g., red to green) when charging is complete.
- Do not overcharge the battery. Disconnect the charger once fully charged.

5. Operating Instructions

5.1 Power On/Off

Press and hold the power button on the control panel to turn the scooter on or off.

5.2 Riding Modes and Speed Control

The scooter features three adjustable speed modes. Press the mode button on the control panel to cycle through them. The current mode will be displayed on the LED screen.



Figure 5.1: LED display showing key information and safety lights.

- **Speedometer:** Displays current speed.
- **Battery Indicator:** Shows remaining battery charge.
- **High-Speed Mode:** Indication for the highest speed setting.

To accelerate, gently press the accelerator lever. Release the lever to slow down.

5.3 Braking

The scooter is equipped with an electronic brake and a rear wheel disc brake. To brake, gently squeeze the brake lever on the handlebar. The taillight will flash to warn others when braking.

5.4 Mobile App Connection

The scooter can connect to a mobile phone app for enhanced security and monitoring. Refer to the app's instructions for pairing and features such as the intelligent car locking system.

5.5 Folding for Storage and Transport

To fold the scooter for storage or transport, reverse the unfolding steps:

1. Ensure the scooter is powered off.
2. Pull down the folding latch.
3. Gently lower the handlebar stem until it clicks into the folded position.



Figure 5.2: The scooter's compact folded size allows for easy transport in a car trunk.

6. Maintenance

6.1 Cleaning

Wipe the scooter with a damp cloth. Do not use high-pressure water jets or corrosive cleaning agents. Ensure the charging port cover is securely closed before cleaning.

6.2 Battery Care

- Charge the battery regularly, even if not in use, to maintain its lifespan.
- Avoid completely draining the battery.
- Store the scooter in a cool, dry place, away from direct sunlight and extreme temperatures.

6.3 Tire Inspection

The scooter uses 8.5-inch solid honeycomb tires, which are designed for durability and shock absorption. Regularly inspect tires for any signs of wear or damage.

6.4 Brake Adjustment

Periodically check the brake system for proper function. If braking performance decreases, consult a qualified technician for adjustment or repair.

6.5 General Inspection

Regularly check all screws and fasteners for tightness. Ensure all cables are securely connected and free from damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Scooter does not power on.	Low battery; loose connections; power button malfunction.	Charge the battery; check all connections; contact support if issue persists.
Reduced speed or range.	Low battery; riding uphill; heavy load; tire wear.	Fully charge battery; ride on flat terrain; reduce load; inspect tires.
Brakes not effective.	Brake pads worn; cable loose; disc brake misalignment.	Inspect brake pads and cables; seek professional adjustment.
Unusual noises during operation.	Loose components; foreign object in wheel; motor issue.	Inspect scooter for loose parts; remove any obstructions; contact support.
App connection issues.	Bluetooth off; app not updated; scooter not in pairing mode.	Ensure Bluetooth is enabled; update app; restart scooter and app; refer to app instructions.

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

8. Specifications



Figure 8.1: Key performance specifications of the PORIYA ES-003 Electric Scooter.

Feature	Detail
Brand	PORIYA
Model Name	ES-003
Motor Power	900W
Battery	36V 7.8Ah Lithium (374Wh)
Max Speed	Up to 25 mph (40 km/h) *(Note: Product description states 19 mph, actual speed may vary.)*
Max Range	Up to 31 miles (50 km) on a full charge *(Note: Actual range may vary based on terrain, rider weight, and speed.)*
Weight Limit	120 kg (264.5 lbs)
Tire Size	8.5 Inches

Feature	Detail
Tire Type	Solid Honeycomb
Frame Material	Aluminum Alloy
Item Weight	13.5 kg (29.7 lbs)
Brake Style	Electronic Brake, Rear Disc Brake
Special Features	Adjustable Handlebar Height, Folding Design, Mobile App Connectivity, Headlight, Taillight
Hill Grade	Up to 15°



Figure 8.2: Dimensions of the scooter in unfolded and folded configurations.

9. Warranty and Support

9.1 Warranty Information

The PORIYA ES-003 Electric Scooter comes with a limited warranty. Please refer to the warranty card included with your product packaging or visit the official PORIYA website for detailed terms and conditions regarding coverage, duration, and claims procedures.

9.2 Customer Support

For technical assistance, spare parts, or any questions regarding your scooter, please contact PORIYA customer support. Contact information can typically be found on the product packaging, the official website, or through your retailer.
When contacting support, please have your model number (ES-003) and purchase date available.

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