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FRANKLIN EV with Device FEVPWR+Li-ION

Franklin EV Power+ (ZL3D) Electric Scooter User Manual

Model: FEVPWR+Li-ION

1. Introduction

Thank you for choosing the Franklin EV Power+ (ZL3D) Electric Scooter. This manual provides essential information for the safe operation, maintenance, and care of your new electric scooter. Please read this manual thoroughly before operating the scooter to ensure proper use and to prevent damage or injury. Keep this manual for future reference.

2. Safety Information

Your safety is paramount. Always adhere to local traffic laws and regulations. Wear appropriate safety gear, including a helmet, gloves, and protective clothing, when operating the scooter. Ensure the scooter is in good working condition before each ride.

- Always perform a pre-ride inspection.
- Do not operate the scooter under the influence of alcohol or drugs.
- Maintain a safe distance from other vehicles and pedestrians.
- Avoid sudden braking or acceleration.
- Be aware of your surroundings and road conditions.
- Ensure all lights are functional, especially when riding at night.

3. Product Overview

The Franklin EV Power+ (ZL3D) is an advanced electric scooter designed for efficient urban commuting. It features a powerful motor, long-range battery, and multiple riding modes to suit various conditions.



Figure 3.1: Front view of the Franklin EV Power+ (ZL3D) Electric Scooter, showcasing its LED headlights and sleek design.



Figure 3.2: Side profile of the Franklin EV Power+ (ZL3D) Electric Scooter, highlighting its ergonomic seat and overall structure.

4. Setup and Initial Use

4.1 Unboxing and Assembly

Carefully remove all components from the packaging. Inspect for any damage during transit. Minimal assembly may be required, typically involving attaching mirrors or handlebars. Refer to the quick start guide for specific assembly steps if provided.

4.2 Initial Charging

Before your first ride, fully charge the scooter's battery. Connect the provided charger to the scooter's charging port and then to a standard power outlet. The charging time is approximately 4 to 5 hours for a full charge.



Figure 4.1: The Lithium-ion battery pack, which powers the Franklin EV Power+ scooter.

4.3 Pre-Ride Checks

- **Tires:** Check tire pressure and condition.
- **Brakes:** Test front and rear brakes for proper function.
- **Lights:** Verify headlights, taillights, and indicators are working.
- **Battery:** Ensure sufficient charge for your planned journey.
- **Mirrors:** Adjust mirrors for optimal rear visibility.

5. Operating Instructions

5.1 Starting the Scooter

To start the scooter, ensure the kickstand is up. Use the key or the keyless entry system to activate the power. The digital display will illuminate, indicating the scooter is ready for operation.

5.2 Riding Modes

The scooter offers three riding modes: **Eco**, **City**, and **Sport**. These modes can be selected via a switch on the handlebar to adjust power output and speed according to your preference and riding conditions.

- **Eco Mode:** Maximizes range and energy efficiency, suitable for relaxed cruising.
- **City Mode:** Balances power and range, ideal for daily urban commuting.
- **Sport Mode:** Provides maximum power and acceleration for dynamic riding.

5.3 Cruise Control

Activate cruise control by pressing the dedicated button once you reach your desired speed. The scooter will maintain this speed until you apply the brakes or twist the throttle again.

5.4 Parking Assist (Reverse Mode)

For easier maneuvering in tight spaces, the scooter is equipped with a reverse mode. Engage this feature using the designated control, typically located near the handlebar, to slowly move the scooter backward.

5.5 Digital Display and Lighting

The digital display provides real-time information such as speed, battery level, and riding mode. The scooter is equipped with LED headlights and indicator lights (front and rear) for enhanced visibility and safety.



Figure 5.1: Close-up of the scooter's front panel and LED headlight assembly.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Franklin EV Power+ scooter.

6.1 Battery Care

- Avoid completely draining the battery before recharging.
- Charge the battery in a well-ventilated area.
- If storing the scooter for an extended period, charge the battery to about 50-60% and recharge every 1-2 months.
- Use only the original charger provided by Franklin EV.

6.2 Tire Maintenance

The scooter is equipped with 3.00 - 10" tubeless tires. Regularly check tire pressure and inspect for any signs of wear, punctures, or damage. Proper tire pressure is crucial for safety and range.



Figure 6.1: Detail of the front wheel and disc brake system.



Figure 6.2: View of the rear wheel and electric motor assembly.

6.3 Cleaning and General Inspection

Clean the scooter regularly with a damp cloth. Avoid using high-pressure water jets directly on electrical components. Periodically check all bolts and fasteners for tightness. Inspect cables and wiring for any signs of wear or damage.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

- **Scooter not starting:** Check battery charge, ensure key is in ON position or keyless system is activated, and kickstand is fully retracted.
- **Reduced range:** Verify tire pressure, ensure battery is fully charged, and consider riding in Eco mode. Extreme temperatures can also affect battery performance.
- **Brake issues:** Inspect brake levers and calipers for proper function. If braking feels spongy or ineffective, professional inspection is recommended.
- **Unusual noises:** Investigate the source of any new or unusual sounds. This could indicate loose components or mechanical issues requiring attention.

8. Specifications

Feature	Specification
Certified Range	Up to 100 km
Top Speed	55 kmph
Peak Power	2.5 KW
Battery Capacity	1800 Wh
Gradeability	15 Degree
Charging Time	4 to 5 hours
Riding Modes	Eco, City, Sport
Cruise Control	Yes
Display Type	Digital
Head Light	LED
Indicator Lights (F&R)	LED
Parking Assist	Reverse Mode

Feature	Specification
Keyless Entry	Yes
Seat Height	820 mm
Ground Clearance	180 mm
Tyre Size	3.00 - 10" (Tubeless)
Product Dimensions (LxWxH)	175 x 68 x 106 cm
Wattage	2.1 Watts
Manufacturer	Franklin EV India Pvt. Ltd.

9. Warranty and Support

The Franklin EV Power+ (ZL3D) Electric Scooter comes with a**1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use conditions. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact Franklin EV customer service. Refer to the contact information provided with your purchase documentation or visit the official Franklin EV website.

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