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SOFLOW SO2 Zero

SOFLOW SO2 Zero Electric Scooter User Manual

Model: SO2 Zero (300.420.00)



1. INTRODUCTION

Welcome to the SOFLOW SO2 Zero Electric Scooter user manual. This document provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric scooter. Please read this manual thoroughly before first use to ensure optimal performance and safety.



Figure 1.1: The SOFLOW SO2 Zero Electric Scooter, showcasing its sleek design and robust build.

2. SAFETY INFORMATION

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

- Always wear a helmet and appropriate protective gear (knee pads, elbow pads) when riding.
- Familiarize yourself with local laws and regulations regarding electric scooter use.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in heavy rain, snow, or on slippery surfaces.
- Maintain a safe distance from other vehicles and pedestrians.
- Regularly check the scooter for any loose parts, damage, or abnormal wear before each ride.
- The maximum weight capacity is 100 kg. Do not exceed this limit.
- This scooter is designed for one rider only. Do not carry passengers.

3. PACKAGE CONTENTS

Ensure all items are present in the package:

- SOFLOW SO2 Zero Electric Scooter
- Charger
- User Manual

4. SETUP AND ASSEMBLY

4.1 Unfolding the Scooter

The SO2 Zero comes pre-assembled in a folded state for compact transport.

1. Place the scooter on a flat surface.
2. Locate the folding mechanism latch near the base of the handlebar stem.
3. Release the latch and carefully lift the handlebar stem until it locks into the upright position. Ensure the locking mechanism is fully engaged.



Figure 4.1: The SOFLOW SO2 Zero in its folded state, demonstrating the compact design for storage and transport.

4.2 Initial Charging

Before your first ride, fully charge the scooter's battery.

1. Locate the charging port, typically on the side of the footboard.
2. Connect the charger to the scooter's charging port.
3. Plug the charger into a standard power outlet. The indicator light on the charger will change (e.g., red to green) when charging is complete.
4. Disconnect the charger once fully charged. Avoid overcharging.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Display

The scooter features a clear display for essential information.

- To power on, press and hold the power button on the handlebar. The display will illuminate.
- The display shows speed, battery level, and riding mode.
- To power off, press and hold the power button again until the display turns off.



Figure 5.1: The clear display on the handlebar provides real-time information such as speed and battery status.

5.2 Riding the Scooter

Ensure you are in a safe, open area for your first ride.

1. Place one foot firmly on the wide footboard.
2. Push off with your other foot to gain initial momentum.
3. Gently press the accelerator lever/button on the handlebar to engage the motor.

4. Maintain balance and steer by leaning and turning the handlebars.

5.3 Braking

The SO2 Zero is equipped with a reliable braking system.

- To slow down or stop, gently squeeze the brake lever on the handlebar.
- Apply brakes smoothly to avoid sudden stops, especially at higher speeds.
- The scooter features a maintenance-free braking system for consistent performance.



Figure 5.2: Detail of the rear wheel and the maintenance-free braking system, ensuring reliable stopping power.

5.4 NFC Unlock Feature

The integrated NFC tag allows for convenient unlocking.

- Ensure your smartphone has NFC enabled.
- Tap your smartphone near the NFC tag located on the scooter (refer to the scooter's specific NFC tag location).
- The scooter will unlock, allowing you to power it on and ride.

6. MAINTENANCE

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

- **Cleaning:** Wipe down the scooter with a damp cloth. Do not use high-pressure water or corrosive cleaners.
- **Tire Pressure:** The 8.5-inch air tires require proper inflation. Check tire pressure regularly and inflate to the recommended PSI (usually indicated on the tire sidewall or in specifications).



Figure 6.1: The front wheel with its 8.5-inch air tire, providing a smooth riding experience.

- **Brake System:** The SO2 Zero features a maintenance-free braking system. However, periodically inspect brake levers and cables for any signs of damage or excessive play.
- **Battery Care:** Store the scooter in a cool, dry place. If storing for extended periods, charge the battery to approximately 50-70% and recharge every 1-2 months to prevent deep discharge.
- **General Inspection:** Regularly check all screws, bolts, and connections for tightness. Ensure the folding mechanism operates smoothly and locks securely.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Scooter does not power on	Low battery; Loose connections; Power button malfunction	Charge the battery; Check all cable connections; Contact support if issue persists
Motor not engaging	NFC not unlocked; Accelerator issue; Motor fault	Ensure scooter is unlocked via NFC; Check accelerator lever; Contact support
Reduced range/speed	Low tire pressure; Overloaded; Battery degradation	Inflate tires to recommended PSI; Reduce load; Battery replacement may be needed over time
Brakes feel loose or ineffective	Brake lever adjustment needed; Cable stretch; Component wear	Inspect brake lever and cable; While the system is maintenance-free, professional inspection is recommended if issues arise.

8. SPECIFICATIONS

Detailed technical specifications for the SOFLOW SO2 Zero Electric Scooter:

Feature	Specification
Model Name	SO2 Zero
Model Number	300.420.00
Dimensions (L x W x H)	114 x 43 x 122 cm
Item Weight	14 Kilograms
Maximum Weight Capacity	100 Kilograms
Wheel Size	8.5 Inches
Wheel Material	Air Tires
Frame Material	Aluminum
Brakes	Rear Drum Brake, Front Electric Brake
Suspension	Double Suspension
Battery	1 Lithium-ion (included)
Special Features	Lightweight (14 kg), Simple Folding Mechanism, Wide Footboard, Maintenance-Free Braking System, NFC Unlock
Color	SoFlow Original Green

9. WARRANTY AND SUPPORT

SOFLOW products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your purchase or visit the official SOFLOW website. For technical support, spare parts, or service inquiries, please contact SOFLOW customer service through their official channels.

Contact Information: Please refer to the SOFLOW official website or your purchase documentation for the most up-to-date contact details.



Related Documents - SO2 Zero

