F25-5100mAh

Generic 36V 5100mAh Rechargeable Battery Replacement for Segway Ninebot F25/F30/F40 Electric Kick Scooter User Manual

1. Product Overview

This manual provides instructions for the 36V 5100mAh rechargeable battery, designed as a replacement accessory for Segway Ninebot F25, F30, and F40 Electric Kick Scooters. This battery is intended to extend the range and enhance the performance of your compatible scooter.

Image 1.1: The 36V 5100mAh replacement battery shown alongside a compatible Segway Ninebot electric kick scooter.

Key features include:

- **Enhanced Capacity:** 36V 5100mAh for extended range.
- **Integrated Communication Module:** Allows connectivity with the scooter's application for monitoring.
- **Multiple Protection Systems:** Designed with safety features to protect against various electrical issues.
- **Durable Design:** Constructed for reliability and longevity.

Image 1.2: Visual representation of the battery's five core advantages, including extended life and intelligent management.

2. Setup and Installation

Before installation, ensure the scooter is powered off and disconnected from any charging source. It is crucial to verify that this battery model is compatible with your specific Segway Ninebot scooter (F25, F30, or F40).

2.1 Compatibility Check

Confirm your scooter's model number matches the compatible models listed (F25, F30, F40) to ensure proper function and safety. Refer to your scooter's original manual for model identification.

2.2 Installation Steps

1. **Power Off:** Turn off your electric scooter completely.
2. **Locate Battery Compartment:** Identify the external battery compartment on your Segway Ninebot scooter. This is typically located on the stem.
3. **Remove Existing Battery (if applicable):** If replacing an existing external battery, carefully disconnect and remove it according to your scooter's manual.
4. **Connect New Battery:** Align the connectors of the new 36V 5100mAh battery with the scooter's ports. Ensure a secure and firm connection.
5. **Secure Battery:** Mount the new battery securely in its designated compartment. Ensure all latches or

screws (if any) are fastened to prevent movement during operation.

6. **Power On:** Once installed, power on your scooter to confirm the battery is recognized.

For detailed, model-specific disassembly and assembly instructions, please consult the official Segway Ninebot user manual for your scooter model.

3. Operating Instructions

The 36V 5100mAh battery seamlessly integrates with your Segway Ninebot electric kick scooter, providing extended power and range.

3.1 Automatic Battery Mode

When connected, the external battery automatically engages to provide power, extending your ride time. The scooter's system manages the power distribution between the internal and external batteries.

Image 3.1: The external battery can significantly extend the scooter's range, allowing for longer rides.

3.2 APP Connectivity

The battery features a built-in communication module that allows it to connect with the Segway Ninebot mobile application. Through the app, you can monitor battery status, remaining charge, and other relevant

information.

Image 3.2: The battery's communication module enables smart monitoring via the scooter's mobile application.

4. Maintenance and Care

Proper maintenance ensures the longevity and optimal performance of your battery.

4.1 Charging

- Always use the original charger provided with your Segway Ninebot scooter or a compatible charger approved by the manufacturer.
- Avoid overcharging or completely draining the battery, as this can reduce its lifespan.
- Charge the battery in a well-ventilated area, away from flammable materials.

4.2 Storage

- If storing the battery for an extended period, ensure it is charged to approximately 50-70% capacity.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Recharge the battery every 1-2 months during storage to prevent deep discharge.

4.3 Cleaning

- Wipe the battery exterior with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.

- While the battery is designed to be waterproof, avoid submerging it in water or exposing it to heavy rain for prolonged periods.

Image 4.1: The battery features a waterproof design for enhanced durability and safety.

5. Troubleshooting

If you encounter issues with your battery, consider the following common solutions:

- **Battery Not Charging:** Ensure the charger is properly connected to both the battery and a working power outlet. Check for any damage to the charger cable or ports.
- **Scooter Not Recognizing Battery:** Verify that the battery is securely installed and all connections are firm. Restart the scooter.
- **Reduced Range:** Ensure the battery is fully charged. Factors like terrain, rider weight, and riding style can affect range.
- **Error Codes:** If your scooter displays an error code related to the battery, consult your Segway Ninebot scooter's user manual for specific interpretations and solutions.

If problems persist, contact customer support for further assistance.

6. Specifications

Detailed technical specifications for the 36V 5100mAh Rechargeable Battery:

Specification	Value
Voltage	36 Volts
Battery Capacity	5100 Milliamp Hours (mAh)
Unit Count	1.0 Count
Recommended Uses For Product	Scooter
Manufacturer	PAOWANG
Brand	Generic

6.1 Battery Management System (BMS)

The integrated Battery Management System (BMS) continuously monitors the battery's working status. This system provides essential protections, including overcharge and discharge protection, to ensure safe and efficient operation.

Image 6.1: The Battery Management System (BMS) ensures safe and reliable battery operation.

6.2 Protection Features

The battery incorporates multiple protection mechanisms for enhanced safety:

- Overvoltage protection
- Overcurrent protection
- Overpower protection
- Temperature protection
- Short circuit protection
- Restore protection
- Anti-counter protection
- Electromagnetic field protection

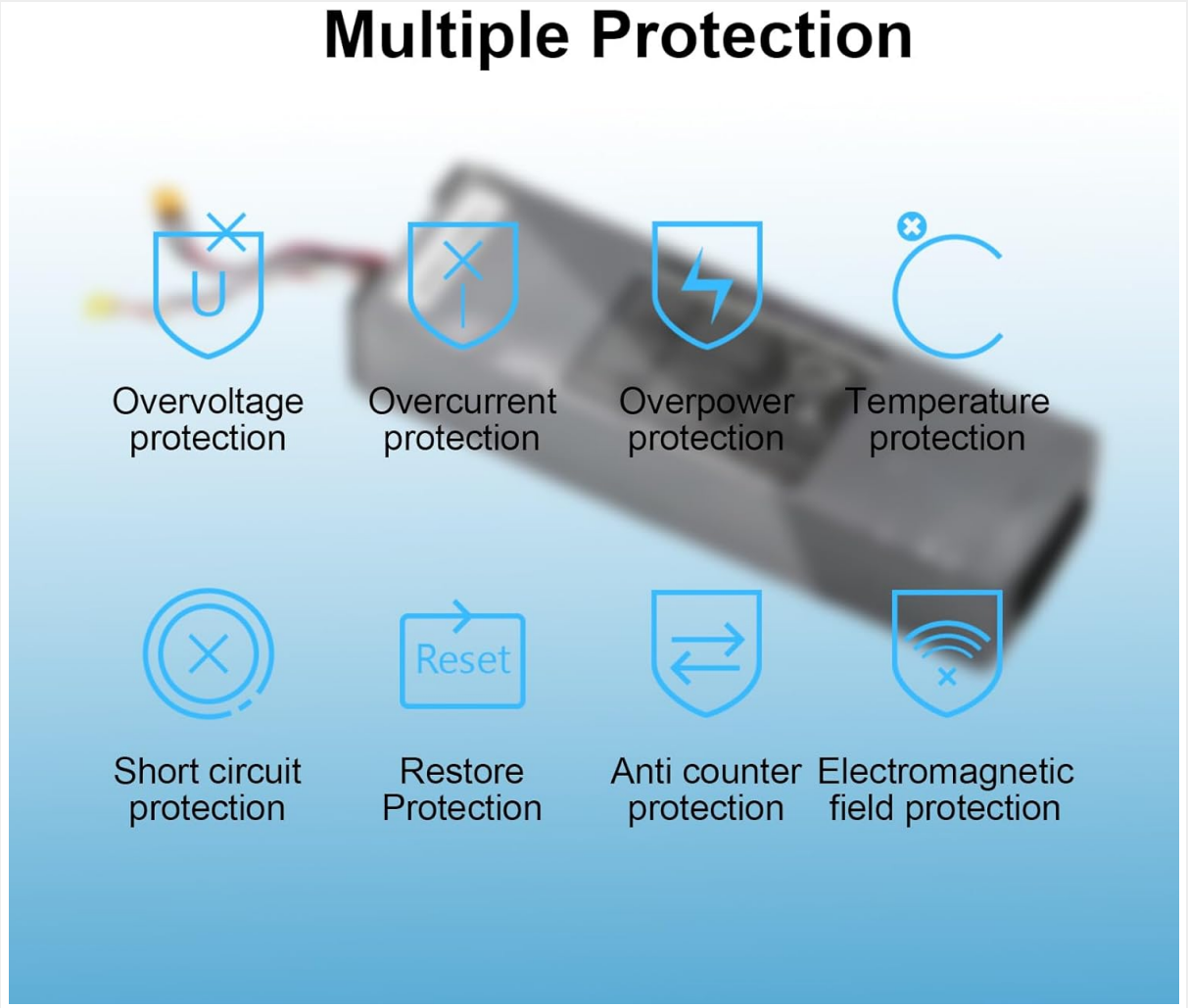

Image 6.2: Overview of the comprehensive protection features built into the battery.