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› [SPYMINNPOO S869 Electric LCD Display Meter User Manual for 24V 36V 48V DC Electric Bikes and Scooters](#)

SPYMINNPOO S869

SPYMINNPOO S869 Electric LCD Display Meter User Manual

Model: S869

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SPYMINNPOO S869 Electric LCD Display Meter. This display is designed to provide clear and precise information about your electric bike or scooter's performance, including speed, battery status, and other essential data. It is compatible with DC 24V, 36V, and 48V systems and features an SM plug for easy connection.

2. SAFETY INFORMATION

- Always ensure the power is off before installing or removing the display meter.
- Do not attempt to disassemble or modify the display meter, as this may void the warranty and cause damage.
- Keep the display meter away from extreme temperatures, direct sunlight for prolonged periods, and corrosive substances.
- While the display is designed to be rainproof, prolonged exposure to heavy rain is not recommended.
- Ensure all connections are secure to prevent electrical shorts or malfunctions.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Electric LCD Display Meter (S869)
- 1 x User Manual

4. SPECIFICATIONS

Feature	Specification
Model	S869

Feature	Specification
Material	ABS
Product Size (L x W x H)	Approx. 80 x 50 x 14 mm (3.15 x 1.97 x 0.55 inches)
Suitable Handlebar Diameter	Approx. 22.2 mm (0.87 inches)
Voltage Compatibility	DC 24V, 36V, 48V
Connector Type	SM Plug (5-core common plug)
Cable Length	Approx. 1640 mm (64.56 inches)
Item Weight	Approx. 138 Grams
Display Type	High Definition LCD, Backlit
Features	Speed, Battery Status, PAS Level, Odometer, Smart Chip

5. SETUP AND INSTALLATION

Follow these steps to properly install your S869 Electric LCD Display Meter:

5.1 Mounting the Display

1. Identify a suitable position on your handlebar (typically near the left grip) that allows for clear visibility and easy access to buttons. The display is designed for 22.2mm handlebars.
2. Loosen the screw on the display's mounting bracket.
3. Place the display bracket around the handlebar and tighten the screw until the display is securely fixed but can still be adjusted for optimal viewing angle.

Built In Smart Chip

Equipped with an integrated smart chip, the LCD display control panel allows seamless gear switching and real time riding data access, making your cycling experience more convenient.



Figure 5.1: Versatile Installation. Rear view of the S869 LCD Display Meter, showing its mounting bracket suitable for 22.2mm handlebars. This design allows for simple and versatile installation on various electric bikes and scooters.

5.2 Connecting the Cables

1. Locate the SM plug cable extending from your S869 display meter.
2. Connect this plug to the corresponding SM plug on your electric bike or scooter's controller or wiring harness. Ensure the connection is firm and fully seated.
3. Route the cable neatly along the handlebar and frame, securing it with cable ties if necessary, to prevent interference with moving parts.



Figure 5.2: Connection Diagram. Illustration detailing the SM plug connection for the S869 LCD Display Meter. It shows a 5-core common plug and a connection light, indicating how the display connects to the electric bike or scooter system. The cable length is approximately 1640mm (64.56 inches).

5.3 Physical Dimensions

For reference, the physical dimensions of the S869 display are provided below:



Figure 5.3: Product Dimensions. Diagram showing the physical dimensions of the S869 LCD Display Meter. The display measures approximately 80mm (3.1 inches) in length and 50mm (2.0 inches) in height. A side view indicates a thickness of 14mm (0.6 inches) and compatibility with 22.2mm (0.87 inch) handlebars.

6. OPERATING INSTRUCTIONS

The S869 display provides real-time data and control over your electric bike or scooter. Familiarize yourself with the display interface and button functions.



Figure 6.1: Display Interface. Front view of the S869 LCD Display Meter, illustrating the main screen interface with real-time data such as current speed, battery level, pedal assist system (PAS) level, and total odometer reading. The three control buttons (+, Power, -) are visible on the left side.

6.1 Power On/Off

- **To Power On:** Press and hold the **Power button** (middle button) for a few seconds until the display illuminates.
- **To Power Off:** Press and hold the **Power button** again for a few seconds until the display turns off.

6.2 Display Functions

The LCD screen provides the following information:

- **Speed:** Displays current riding speed (e.g., km/h or mph).
- **Battery Status:** Indicates the remaining battery charge level.
- **PAS Level:** Shows the current Pedal Assist System level (e.g., 0-5), controlling the motor's assistance.
- **ODO (Odometer):** Displays the total distance traveled.
- **Trip Distance:** (If available) Displays the distance for the current trip.



Figure 6.2: Detailed Display View. A detailed close-up of the S869 LCD Display Meter's screen, clearly showing the digital readouts for speed (24.6 km/h), pedal assist system (PAS) level (5), battery charge, and odometer (00002 km). This view highlights the clarity and readability of the display.

6.3 Button Functions

- **+' Button (Top):** Typically used to increase the PAS level or navigate upwards in menu settings.
- **Power Button (Middle):** Used to power the display on/off. A short press may cycle through display modes (e.g., ODO, Trip).
- **-' Button (Bottom):** Typically used to decrease the PAS level or navigate downwards in menu settings.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your S869 display meter.

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the screen or casing.
- **Water Resistance:** The display features a rainproof design, offering protection against light rain and splashes. However, avoid submerging the device in water or exposing it to high-pressure water jets.

Rainproof Design

The electric LCD display screen is designed to be rainproof, making it resilient against rainy conditions, though it's not recommended for prolonged exposure to heavy rain.



Figure 7.1: Rainproof Design. Rear view of the S869 LCD Display Meter, emphasizing its rainproof construction. The image shows the sealed casing and cable entry point, designed to protect internal components from moisture under rainy conditions. Note: Prolonged exposure to heavy rain is not recommended.

- **Storage:** If storing your electric bike or scooter for an extended period, ensure the display is clean and dry. Store in a cool, dry place away from direct sunlight.
- **Cable Inspection:** Periodically check the connection cables for any signs of wear, cuts, or damage. Ensure all connections remain secure.

8. TROUBLESHOOTING

If you encounter issues with your S869 display meter, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Display does not power on	Loose cable connection No power from battery Faulty display	Check all cable connections, especially the SM plug. Ensure the e-bike/scooter battery is charged and powered on. If connections are secure and power is present, contact support.
No speed reading	Speed sensor issue Loose cable connection	Check the speed sensor and its connection to the controller. Verify all display cables are securely connected.
Incorrect data displayed	Incorrect settings Sensor malfunction	Refer to your e-bike/scooter controller manual for display settings. Check relevant sensors for damage or loose connections.
Buttons unresponsive	Software glitch Physical damage	Try powering the display off and on again. Inspect buttons for physical damage or debris.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The SPYMINNPOO S869 Electric LCD Display Meter comes with a manufacturer warranty for 90 days from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your SPYMINNPOO S869 Electric LCD Display Meter, please contact your retailer or the manufacturer's customer service. Please have your purchase receipt and product model number (S869) available when contacting support.