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› MULS 5200mAh 14.4V Lithium-Ion Battery Replacement Instruction Manual for Mamibot EXVAC 890, Garlyn SR-800 Max, and SUN-INTE-279 Robot Vacuum Cleaners

## MULS SUN-INTE-279

# MULS 5200mAh Battery Replacement Instruction Manual

For Mamibot EXVAC 890, Garlyn SR-800 Max, and SUN-INTE-279 Robot Vacuum Cleaners

## 1. INTRODUCTION

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This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your MULS 5200mAh 14.4V Lithium-Ion battery replacement. This battery is designed for specific robot vacuum cleaner models to restore optimal performance.

## 2. SAFETY INFORMATION

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Please read and understand all safety warnings before installing or using the battery. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Batteries are prohibited from being used in water or fire.
- Do not knock or disassemble the battery.
- Keep the battery away from children and pets.
- Do not short-circuit the battery terminals.
- Avoid exposing the battery to extreme temperatures.
- Dispose of used batteries according to local regulations.

# Safety & Reliable Quality



Over-Current  
Protection



Over-Heating  
Protection



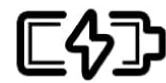
Over-Discharge  
Protection



Short-Circuit  
Protection



Over-Voltage  
Protection



Over-Charge  
Protection



Figure 2.1: The battery features multiple protection mechanisms including over-current, over-heating, over-discharge, short-circuit, over-voltage, and over-charge protection to ensure safe operation.

## 3. PRODUCT SPECIFICATIONS

<b>Battery Type</b>	Rechargeable Lithium-Ion
<b>Capacity</b>	5200mAh
<b>Voltage</b>	14.4V
<b>Item Weight</b>	7.7 ounces (approx. 218g)
<b>Dimensions</b>	7.8 x 1.98 x 1.26 inches (approx. 19.8 x 5.0 x 3.2 cm)

Certifications	CE, FCC, RoHS
Internal Identifier	FHDH8865 (as seen on battery label)

# Product parameters

Battery Type: Rechargeable Li-ion

Battery Voltage: 14.4V

Battery Capacity: 5200mAh

CE FC RoHS  

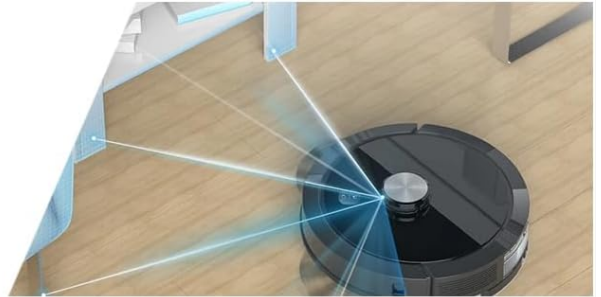


Figure 3.1: Key product parameters and certifications.

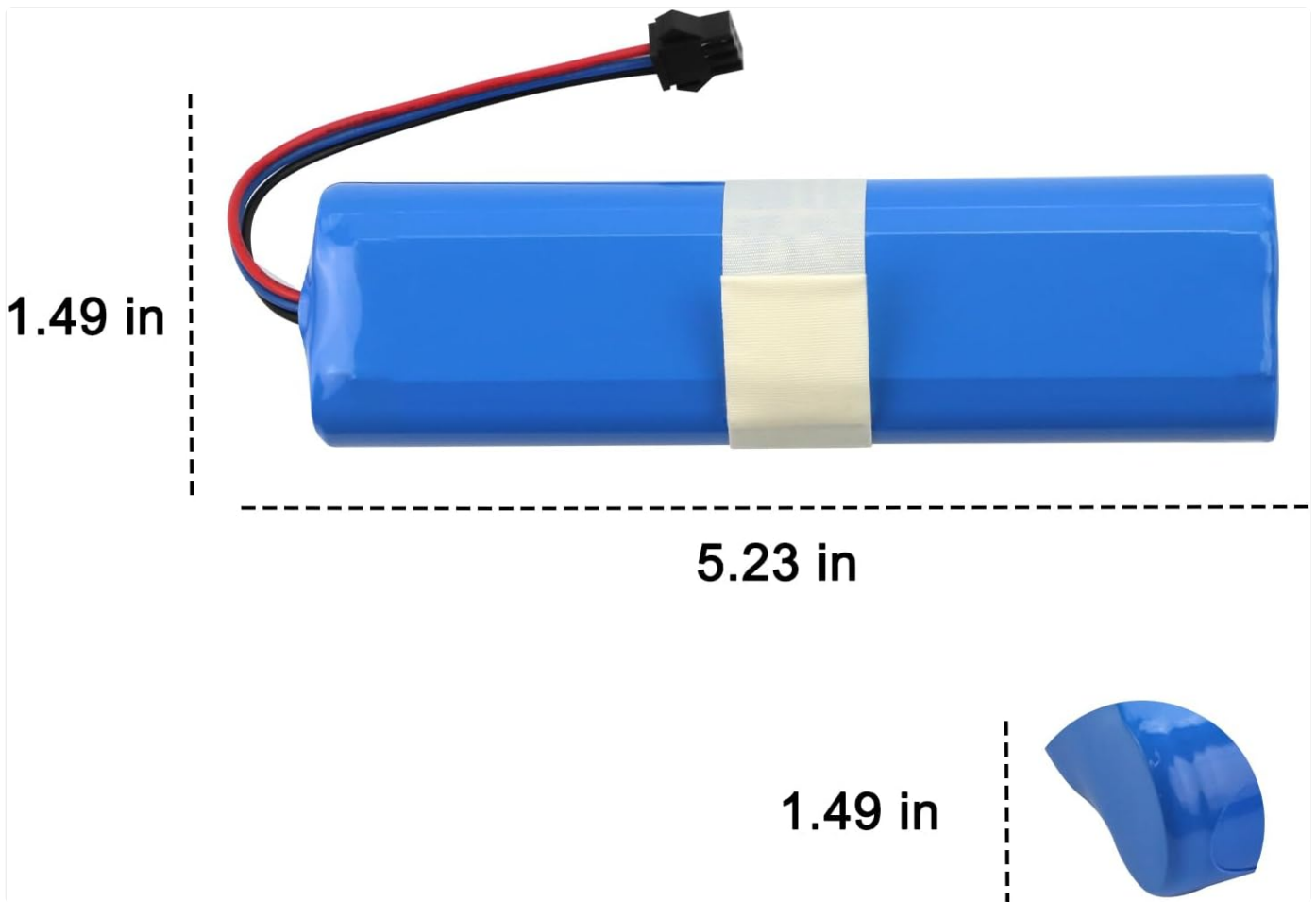


Figure 3.2: Battery dimensions for compatibility verification.

#### 4. COMPATIBLE MODELS

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This MULS replacement battery is compatible with the following robot vacuum cleaner models:

- Mamibot EXVAC 890
- Garlyn SR-800 Max
- SUN-INTE-279

# Product compatibility

## Fir for Mamibot SUN-INTE-279 Vacuum Cleaner



Figure 4.1: Visual representation of battery compatibility with a robot vacuum.

## 5. INSTALLATION INSTRUCTIONS

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Follow these steps to safely replace the battery in your robot vacuum cleaner:

1. **Power Off:** Ensure your robot vacuum cleaner is completely powered off and disconnected from its charging base.
2. **Access Battery Compartment:** Carefully turn the robot vacuum cleaner upside down. Locate the battery compartment cover, typically secured by screws.
3. **Remove Screws:** Use a suitable screwdriver (often a Phillips head) to remove the screws securing the battery compartment cover. Keep the screws in a safe place.
4. **Remove Cover:** Lift off the battery compartment cover.
5. **Disconnect Old Battery:** Gently disconnect the old battery's connector from the vacuum cleaner's port. Do not pull on the wires.

6. **Insert New Battery:** Place the new MULS battery into the compartment, ensuring it fits correctly.
7. **Connect New Battery:** Carefully align and connect the new battery's connector to the vacuum cleaner's port. Ensure a secure connection.
8. **Verify Connector Type:** Before connecting, ensure the connector on the new battery matches the original.

## Product details

**Note : make sure the connector is the same type with your original battery**

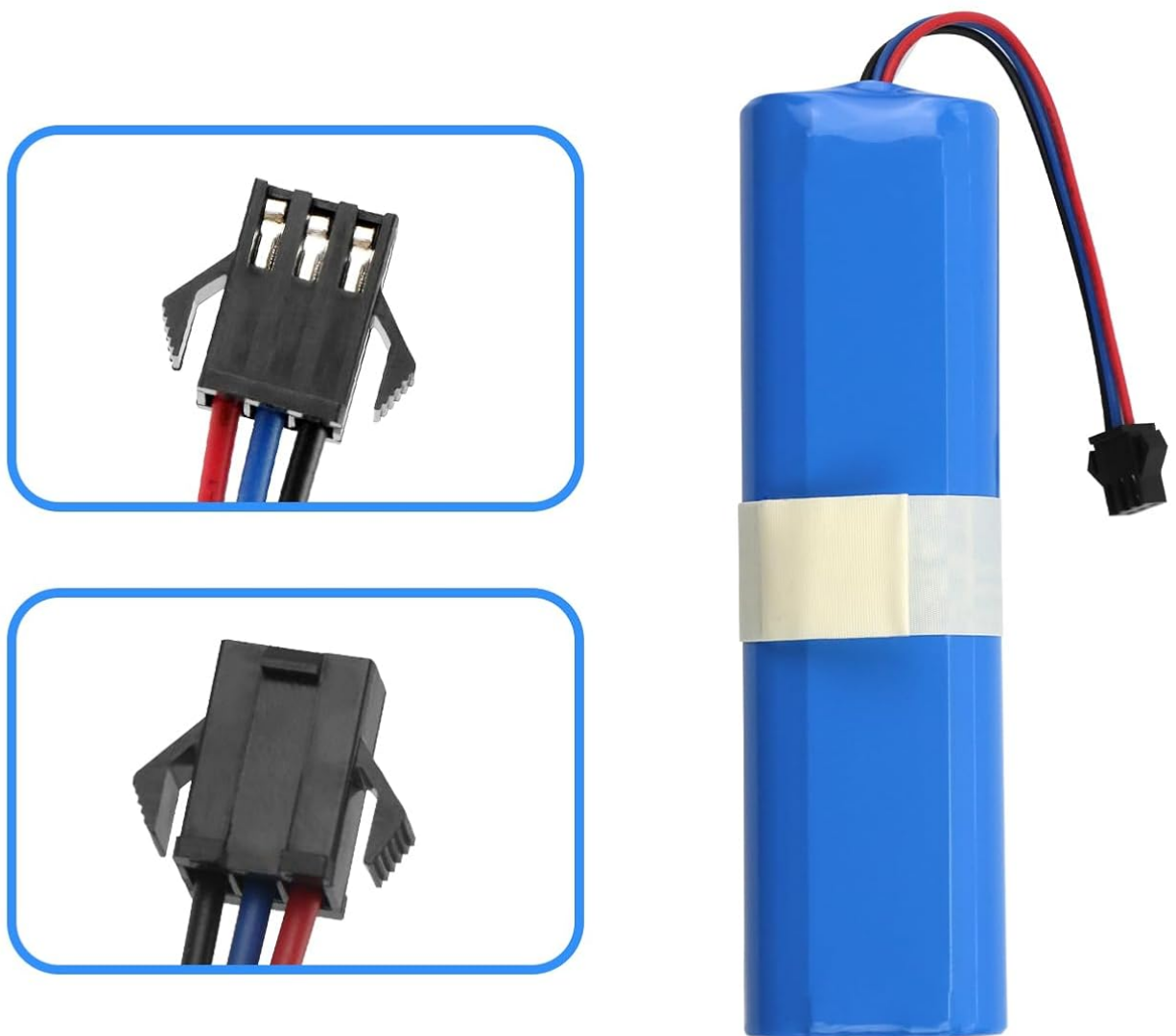


Figure 5.1: Detail of the battery connector. Verify this matches your original battery's connector before installation.

9. **Replace Cover:** Place the battery compartment cover back into position.
10. **Secure Screws:** Reinsert and tighten the screws to secure the cover. Do not overtighten.
11. **Initial Charge:** Place the robot vacuum cleaner back on its charging base for an initial full charge before first use.



Figure 5.2: The replacement battery and a typical screwdriver for installation.

## 6. OPERATING INSTRUCTIONS

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Once installed, the battery operates as part of your robot vacuum cleaner's power system. For optimal performance and longevity:

- **First Use:** Fully charge the battery before its first use.
- **Regular Charging:** Allow the robot vacuum to return to its charging base after each cleaning cycle to maintain battery health.
- **Avoid Deep Discharge:** Do not allow the battery to completely drain frequently, as this can reduce its lifespan.
- **Storage:** If storing the vacuum for an extended period, ensure the battery is partially charged (around 50%) and store in a cool, dry place. Recharge every 3-6 months.

## 7. MAINTENANCE

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Proper maintenance ensures the longevity and performance of your battery:

- **Cleaning:** Periodically inspect the battery and its contacts for dust or debris. Clean with a dry cloth if necessary.
- **Temperature:** Operate and store the battery within recommended temperature ranges (typically 0°C to 40°C or 32°F to 104°F).
- **Disposal:** When the battery reaches the end of its life, dispose of it responsibly at a designated recycling facility. Do not discard with household waste.

## 8. TROUBLESHOOTING

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

- **Vacuum Not Powering On:**
  - Ensure the battery is correctly installed and the connector is securely attached.
  - Verify the battery compartment cover is properly closed and secured.
  - Confirm the battery has been charged.
- **Short Run Time:**
  - Ensure the battery is fully charged.
  - Check if the vacuum cleaner itself has any blockages or issues that might increase power consumption.
  - New batteries may require a few charge/discharge cycles to reach full capacity.
- **Charging Issues:**
  - Verify the charging base and power adapter are functioning correctly.
  - Clean the charging contacts on both the vacuum and the charging base.

If problems persist, please contact customer support.

## 9. WARRANTY AND SUPPORT

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MULS provides the following support for this product:

- **Money Back Guarantee:** 30-day no-questions-asked full money back.
- **Exchange Guarantee:** 12-month exchange guarantee.
- **Customer Service:** 24/7 email service for any problems or inquiries.

For assistance, please refer to the contact information provided with your purchase or visit the MULS brand store on Amazon.

[Visit the MULS Store](#)

