

## RDSJ SUN-INTE-172

# RDSJ 3400mAh Vacuum Battery Replacement

## INSTRUCTION MANUAL

### 1. Introduction

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This manual provides essential information for the safe and effective use of your RDSJ 3400mAh Li-ion replacement battery. This battery is designed for specific robot vacuum cleaner models, ensuring optimal performance and compatibility. Please read this manual thoroughly before installation and use.



Figure 1: The RDSJ 3400mAh Li-ion replacement battery, shown with a small screwdriver and cleaning brush, indicating the product package contents.

## 2. Product Features

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- **Battery Type:** Li-ion
- **Voltage:** 14.4V/14.8V
- **Capacity:** 3400mAh
- **Cells:** 4-Cell configuration
- **Safety Protections:** Built-in over-temperature protection, overheating protection, anti-overcharge, over-discharge protection, over-voltage protection, over-current protection, and short-circuit protection.
- **Ease of Installation:** Designed for quick and straightforward installation.
- **Fast Charging:** Lithium batteries offer efficient charging times.

# MULTIPLE PROTECTION



Over-Charge Protection



Over-Discharge Protection



Over-Voltage Protection



Over-Current Protection



Over-Temperature Protection



Figure 2: Illustration detailing the multiple safety protections integrated into the battery, including over-charge, over-discharge, over-voltage, over-current, and over-temperature protection.

## 3. Specifications

Specification	Value
Battery Type	Li-ion
Voltage	14.4V/14.8V
Capacity	3400mAh / 48.96Wh
Model Number	SUN-INTE-172
Item Weight	7.8 ounces
Package Dimensions	3.15 x 2.36 x 1.97 inches
Manufacturer	RDSJ

# PRODUCT PARAMETERS

RECHARGEABLE LI-ION BATTERY PACK

**Voltage: 14.4V/14.8V**

**Capacity: 3400mAh/48.96Wh**



Figure 3: A close-up view of the battery label, highlighting its voltage (14.4V/14.8V) and capacity (3400mAh/48.96Wh).

## 4. Compatibility

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

- iHome iHRV6-BLK AUTOVAC Nova Classic
- Tesvor SUN-INTE-172 Robot Vacuum Cleaner

## COMPATIBLE MACHINES



iHome iHRV6-BLK Robot Vacuum Cleaner  
Tesvor SUN-INTE-172 Robot Vacuum Cleaner

Figure 4: Visual representation of the compatible robot vacuum cleaner models, including the iHome iHRV6-BLK and Tesvor SUN-INTE-172.

### 5. Safety Information and Warnings

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To ensure safe operation and prevent potential hazards, please adhere to the following warnings:

- **Risk of Fire or Burns:** Do not disassemble, crush, puncture, or short external contacts.
- **Disposal:** May explode if disposed of in fire. Follow local regulations for battery disposal.
- **Handling:** For safe operation, carefully read the user's manual of your robot vacuum cleaner.
- **Metal Objects:** Do not allow metal objects to contact battery terminals.
- **Charging:** Use only with a special charger at room temperature between 50-104°F (10-40°C).
- **Dry Location:** Use and store the battery in a dry location only.

# POWERFUL ENERGY

KEEP YOUR GROUND FREE OF ANY RUBBISH



Figure 5: The reverse side of the battery, displaying a caution label with important safety instructions regarding dry location use, disposal, and handling.

## 6. Installation

The battery is designed for easy installation, typically taking around 2 minutes. Refer to your robot vacuum cleaner's original instruction manual for specific battery compartment access and removal procedures. Ensure the connector type matches your original battery before installation.

1. Power off your robot vacuum cleaner and unplug it from any charging base.
2. Locate the battery compartment, usually on the underside of the robot.
3. Open the battery compartment cover (may require a screwdriver, often included).
4. Carefully disconnect the old battery's plug from the robot's port.
5. Remove the old battery.
6. Connect the new RDSJ battery's plug to the robot's port, ensuring a secure fit.
7. Place the new battery into the compartment.
8. Close the battery compartment cover and secure it.

# BATTERY DETAILS

Please confirm the connector is the same type with your original battery!

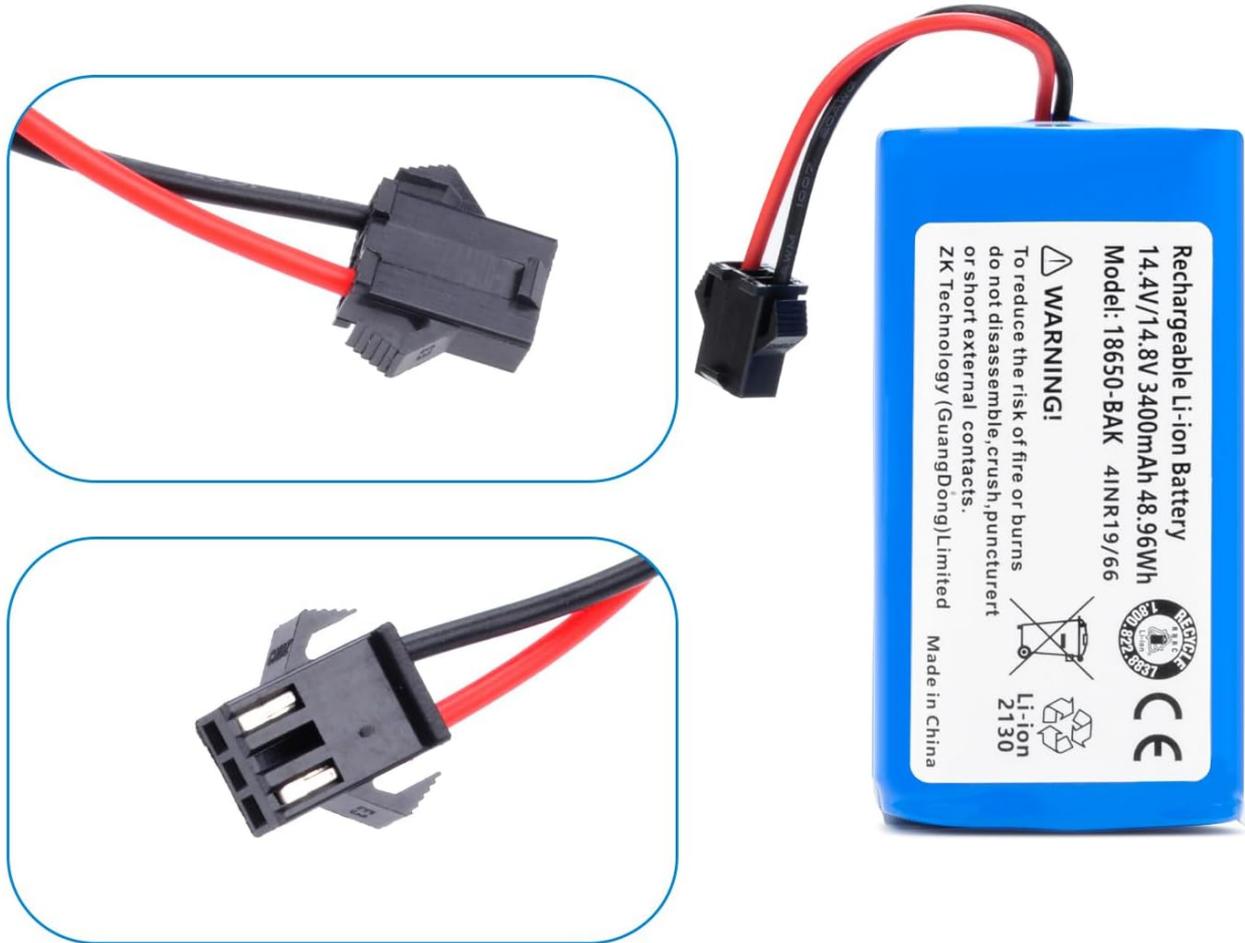


Figure 6: A detailed view of the battery's connector, emphasizing the importance of confirming it matches the original battery's connector type for proper installation.

## 7. Operating and Charging

Once installed, the battery will power your robot vacuum cleaner. For optimal performance and longevity:

- **Initial Charge:** It is recommended to fully charge the battery before its first use.
- **Charging Process:** Place your robot vacuum cleaner on its charging base or connect it to its charger as per the vacuum's instructions. The battery's lithium-ion chemistry allows for fast charging.
- **Regular Use:** Use your robot vacuum cleaner as normal. The battery is designed to provide consistent power for efficient cleaning.
- **Low Self-Discharge:** The battery is engineered to retain a significant portion of its capacity even after extended periods of non-use (e.g., retaining 80% capacity after 1 year).



Figure 7: A bar chart illustrating the battery's low self-discharge characteristic, showing that it retains approximately 80% of its capacity after one year of storage.

## 8. Maintenance and Care

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Proper care will extend the life of your battery:

- **Storage:** If storing the battery for an extended period, ensure it is partially charged (around 50%) and stored in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Temperature:** Avoid exposing the battery to temperatures outside the recommended operating range (50-104°F / 10-40°C).
- **Cleaning:** Keep the battery and its contacts clean and free from dust or debris. Use a dry cloth for cleaning.
- **Avoid Over-Discharge:** Do not allow the battery to completely drain for prolonged periods, as this can reduce its lifespan.

## 9. Troubleshooting

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

- **Battery Not Charging:**
  - Ensure the battery is correctly installed and the connector is firmly seated.
  - Verify that the charging base or power adapter for your robot vacuum is functioning correctly.
  - Check for any debris on the charging contacts of both the robot and the charging base.
- **Short Run Time:**
  - Ensure the battery has been fully charged.
  - Confirm that the robot vacuum's internal components (brushes, filters) are clean and not causing excessive drag, which can drain the battery faster.
  - If the issue persists after several charge cycles, contact customer support.
- **Unusual Behavior:** If the robot vacuum exhibits unusual behavior after battery replacement, power cycle the robot (turn off, wait a few seconds, then turn on). If the problem continues, consult your robot vacuum's manual or manufacturer support.

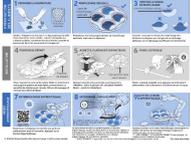
## 10. Warranty and Support

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For warranty information regarding your RDSJ replacement battery, please refer to the product packaging or contact the seller directly. Keep your proof of purchase for any warranty claims.

For technical support or further assistance, please reach out to RDSJ customer service through the platform where you purchased the product.

## Related Documents - SUN-INTE-172

	<p><a href="#">Floorpan Laminate Flooring Installation Guide</a></p> <p>Comprehensive installation guide for Floorpan laminate flooring by Kastamonu, covering preparation, installation steps, care, and warranty information.</p>
	<p><a href="#">Sun Joe 5W Electric Bug Trapper SJ-BZ15W-BLK: User Manual and Safety Guide</a></p> <p>This manual provides essential safety instructions, setup, operation, and maintenance details for the Sun Joe 5W Electric Bug Trapper (Model SJ-BZ15W-BLK). Learn how to effectively use and care for your insect trap.</p>
	<p><a href="#">VONYX VXA Amplifier Series - Professional Amplifier Manual</a></p> <p>Comprehensive instruction manual for the VONYX VXA Amplifier Series, covering safety, front and rear panel features, installation, and technical specifications. Includes multilingual safety information translated to English.</p>
	<p><a href="#">Safety Data Sheet (SDS) for SUNWODA Rechargeable Li-ion Battery SUN-INTE-152</a></p> <p>This Safety Data Sheet (SDS) for the SUNWODA Rechargeable Li-ion Battery, Model SUN-INTE-152, provides comprehensive information on its identification, hazards, composition, first-aid measures, fire-fighting procedures, accidental release measures, handling and storage guidelines, exposure controls, physical and chemical properties, stability and reactivity, toxicological information, ecological information, disposal considerations, transport regulations, and regulatory status. It is intended for industrial and professional use.</p>
	<p><a href="#">Obi IFD-600-002-7 Guide de Démarrage Rapide</a></p> <p>Guide de démarrage rapide pour l'Obi IFD-600-002-7, expliquant la préparation des aliments, l'installation, le mode apprentissage, l'alimentation, le nettoyage et le chargement.</p>

**Deye SUN Series Inverter 10-Year Limited Warranty for Installation in Australia and New Zealand**

1. The Deye warranty (the "Warranty") is made by Deye SUN Series Inverter (the "Manufacturer") for the SUN Series Inverter (the "Inverter") installed in Australia and New Zealand. The Manufacturer warrants that the Inverter will perform in compliance with the Deye SUN Series Inverter Manual (the "Manual") for the period of 10 years from the date of installation of the Inverter.

2. The Deye SUN Series Inverter 10-Year Limited Warranty (the "Warranty") is made by Deye SUN Series Inverter (the "Manufacturer") for the SUN Series Inverter (the "Inverter") installed in Australia and New Zealand. The Manufacturer warrants that the Inverter will perform in compliance with the Deye SUN Series Inverter Manual (the "Manual") for the period of 10 years from the date of installation of the Inverter.

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[Deye SUN Series Inverter 10-Year Limited Warranty - Australia & New Zealand](#)

This document outlines the 10-year limited warranty for Deye SUN Series inverters installed in Australia and New Zealand, covering hybrid and PV on-grid inverters, as well as monitoring devices and output control equipment.