POWTREE Roomba i7 Battery Replacement

POWTREE 14.4V 5.0Ah Li-ion Replacement Battery for iRobot Roomba e and i Series User Manual

1. INTRODUCTION

Thank you for choosing the POWTREE 14.4V 5.0Ah Li-ion Replacement Battery. This battery is designed to provide reliable power for your iRobot Roomba e and i Series robot vacuum cleaners. This manual provides essential information for safe installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your replacement battery.

2. SAFETY INFORMATION

- The battery is CE/RoHS/FCC certified, ensuring compliance with safety standards.
- Features safeguard against incorrect voltage, battery overload, short circuit, and internal overheating.
- Do not disassemble, crush, puncture, or short-circuit the battery.
- Keep the battery away from fire or high temperatures.
- Do not expose the battery to water or moisture.
- Dispose of used batteries according to local regulations.

Always handle the battery with care and follow the instructions provided in this manual.

3. PACKAGE CONTENTS

- 1 x POWTREE 14.4V 5.0Ah Li-ion Replacement Battery

4. COMPATIBILITY

This POWTREE replacement battery is compatible with the following iRobot Roomba series and models:

- **Roomba i Series:** i7, i7+, i7 Plus, 7150, 7156, 7158, 7550, 7558, i7150, i7156, i7158, i7550, i7556, i7558
- **Roomba i8 Series:** i8, i8+, 8550, i8550, i855020

- **Roomba i3 Series:** i3, i3+, i3 Plus, 3150, 3158, 3550, 3556, 3558, i3150, i3152, i3154, i3156, i3158, i3550, i3552, i3554, i356, 3558

- **Roomba i4 Series:** i4, i4+, i4 Plus, 4150, 4550, 4552, i4150

- **Roomba J Series:** J7, J7+, J6+, J6 Plus, J5, J5+

- **Roomba e Series:** e5, e6

Please verify your Roomba model number before installation.

Image: POWTREE battery shown with compatible Roomba models (E5, E6, I4, I7, I8, I3).

5. INSTALLATION (SETUP)

Follow these steps to replace the battery in your iRobot Roomba:

1. **Step 1:** Flip your Roomba over so the bottom side is facing up.
2. **Step 2:** Use a Phillips screwdriver to unscrew the retaining screws on the bottom cover.
3. **Step 3:** Carefully remove the bottom cover to expose the battery compartment.
4. **Step 4:** Unclip the original battery and pull it upwards to remove it from the compartment.

5. **Step 5:** Insert the new POWTREE replacement battery into the compartment, ensuring it clicks securely into place.

6. **Step 6:** Replace the bottom cover and secure it with the screws.

Image: Visual guide demonstrating the steps to remove and replace the Roomba battery.

Important Note: Some users have reported fitment issues with certain Roomba i7 models where the replacement battery may be slightly taller than the original. Ensure the battery locks securely into place and the bottom cover can close properly without force. If the battery does not fit correctly or the cover cannot be reinstalled, please refer to the troubleshooting section or contact support.

6. OPERATING INSTRUCTIONS

6.1 Initial Charge

After installation, place your Roomba on its charging dock or connect it to the charger. Allow the battery to fully charge before its first use. The battery can be charged at any time without developing a memory effect, thanks to its Li-ion technology.

6.2 Usage

The POWTREE 5.0Ah battery is designed to provide extended runtime for your Roomba. Operate your Roomba as usual. The battery's low self-discharge rate ensures it retains charge well even when not in active use.

Image: Chart illustrating the low self-discharge rate of the POWTREE battery over time.

7. MAINTENANCE

- **Charging:** Charge the battery regularly, even if the Roomba is not used frequently, to maintain battery health.

- **Storage:** If storing the battery for an extended period, ensure it is partially charged (around 50%) and stored in a cool, dry place. The low self-discharge rate helps preserve charge during storage.

- **Cleaning:** Keep the battery contacts and the Roomba's charging contacts clean to ensure efficient charging.

- **Cycle Life:** The battery is designed for 600+ to 800+ recharge cycles, providing long-lasting performance.

8. TROUBLESHOOTING

- **Roomba not turning on or charging:**
  - Ensure the battery is correctly installed and securely latched in its compartment.
  - Verify that the Roomba's bottom cover is properly closed and screwed in.
  - Check the charging contacts on both the Roomba and the charging dock for any debris or damage.
  - Confirm the charging dock is powered and functioning correctly.

- **Battery does not fit or bottom cover cannot close:**
  - Carefully re-check the battery orientation and seating.
  - Compare the dimensions of the replacement battery with your original battery. While designed for compatibility, slight variations can occur.
  - If the issue persists, it may indicate a specific fitment incompatibility with your Roomba model. Please contact customer support for assistance.

- **Reduced runtime after initial use:**
  - Ensure the battery has been fully charged.
  - Over time, all batteries experience degradation. If the battery is new and runtime is significantly lower than expected, contact support.

9. SPECIFICATIONS

Specification	Value
Battery Type	Li-ion Battery
Voltage	14.4V
Capacity	5000mAh (72Wh)
Item Weight	10.2 ounces
Package Dimensions	4.45 x 3.39 x 2.52 inches
Recharge Cycles	600+ to 800+ cycles

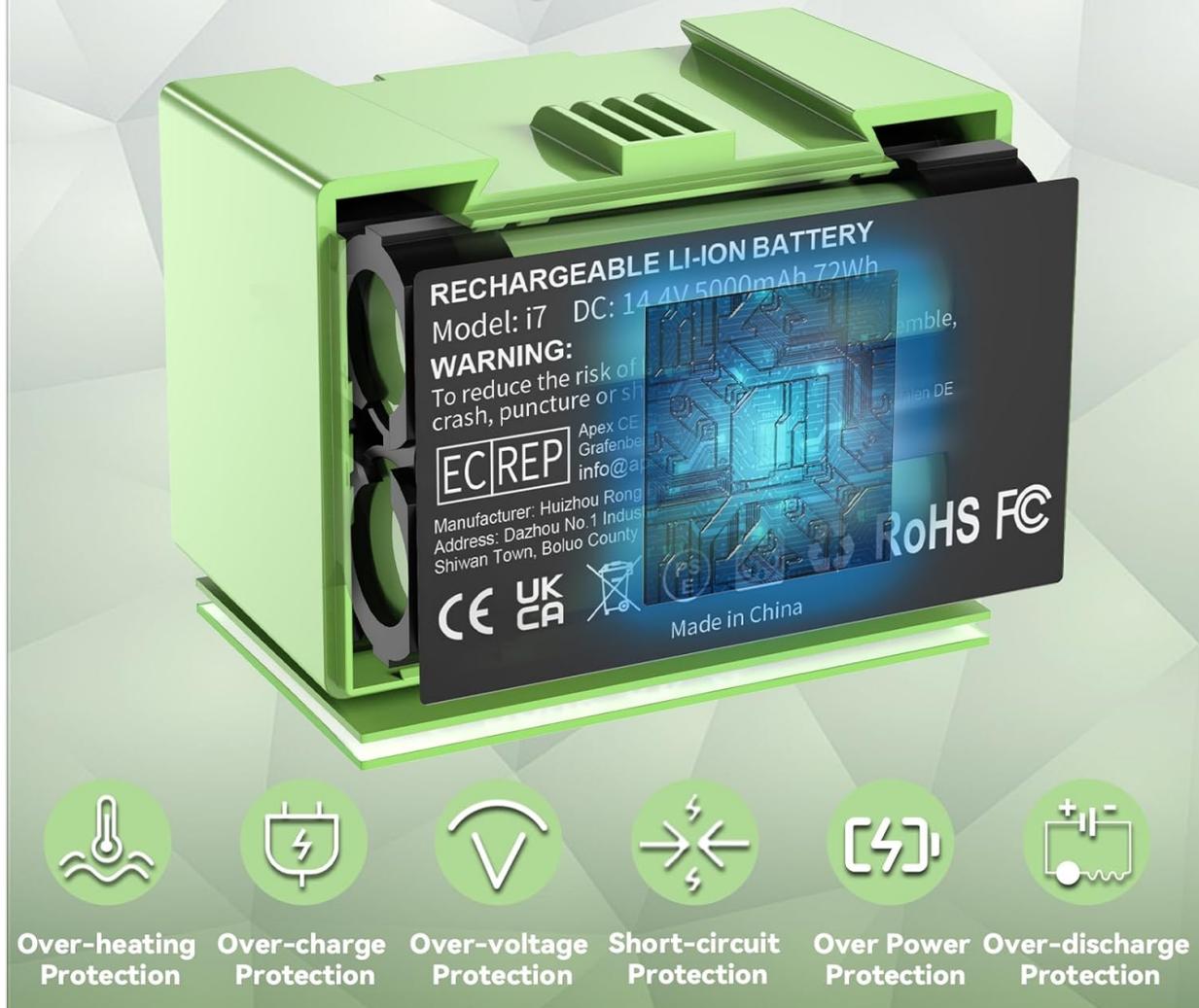| Certifications	CE/RoHS/FCC

Image: POWTREE battery with icons representing its multiple protection features.

10. WARRANTY AND SUPPORT

POWTREE provides the following support for your replacement battery:

- **Refund/Return Policy:** 30 days full refund and return.

- **Limited Warranty:** 365 days limited warranty.

- **Customer Service:** For any questions or assistance, please contact the seller. You can typically find the 'Ask a question' link on the product storefront or the 'contact seller' option within your order details.