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Palowextra RS24

Palowextra 14.4V 6700mAh Battery Replacement User Manual

Model: RS24

Compatible with Cecotec Conga 5090, 5091, 5490, 6090, 6490, 7090 AI Robot Vacuum Cleaners

Introduction

This manual provides detailed instructions for the safe and effective installation, operation, and maintenance of your Palowextra 14.4V 6700mAh Lithium-Polymer replacement battery, Model RS24. This battery is designed to be compatible with various Cecotec Conga AI Robot Vacuum Cleaner models, including 5090, 5091, 5490, 6090, 6490, and 7090. Please read this manual thoroughly before proceeding with battery replacement or use.

Important Safety Information

Always observe the following safety precautions to prevent injury or damage to the battery and your robot vacuum cleaner:

- Do not disassemble, crush, puncture, or short-circuit the battery.
- Do not expose the battery to high temperatures (above 50°C / 122°F) or direct sunlight.
- Do not expose the battery to water or other liquids.
- Keep the battery away from children and pets.
- Use only the specified charger for your robot vacuum cleaner.
- If the battery shows signs of damage, swelling, or leakage, discontinue use immediately and dispose of it properly.
- Dispose of used batteries according to local regulations. Do not dispose of with household waste.
- The battery features multiple built-in protections, including over-charging, over-discharging, over-current, and short-circuit protection. However, proper handling is still essential.



Figure 1: The Palowextra battery is equipped with multiple internal protection circuits to ensure safe operation and prevent accidents.

Package Contents

Verify that all items are present in the package:

- 1 x Palowextra 14.4V 6700mAh Replacement Battery (Model RS24)
- 1 x Cleaning Brush
- 1 x Screwdriver
- 1 x Little Pry Bar

Compatibility

This Palowextra RS24 replacement battery is specifically designed for the following Cecotec Conga AI Robot Vacuum Cleaner models:

- Cecotec Conga 5090
- Cecotec Conga 5091
- Cecotec Conga 5490
- Cecotec Conga 6090
- Cecotec Conga 6490
- Cecotec Conga 7090



Figure 2: The battery label clearly lists compatible Cecotec Conga robot vacuum models.

Installation Instructions

Follow these steps to safely replace the battery in your Cecotec Conga robot vacuum cleaner. Refer to your robot vacuum's original manual for specific instructions on accessing the battery compartment if needed.

1. **Power Off:** Ensure your robot vacuum cleaner is completely powered off and disconnected from its charging base.

2. **Access Battery Compartment:** Turn the robot vacuum upside down. Locate the battery compartment cover, typically secured by screws. Use the provided screwdriver to remove these screws.
3. **Remove Old Battery:** Carefully lift the battery compartment cover. Disconnect the old battery's connector from the robot vacuum's port. Gently remove the old battery.
4. **Install New Battery:** Connect the new Palowextra RS24 battery's connector to the robot vacuum's port, ensuring it is securely seated. Place the new battery into the compartment.
5. **Secure Cover:** Replace the battery compartment cover and secure it with the screws using the provided screwdriver.
6. **Initial Charge:** Place the robot vacuum back on its charging base to allow the new battery to fully charge before its first use.



Figure 3: The battery interface for connection to the robot vacuum.

Operating Instructions

After successful installation, follow these guidelines for optimal battery performance:

- **First Use:** Fully charge the battery before its initial operation. This helps calibrate the battery management system.
- **Charging:** Always charge the battery using the original charging base and adapter provided with your Cecotec Conga robot vacuum.
- **Run Time:** The 6700mAh capacity battery is designed to provide extended run times, with experimental data indicating 150-180 minutes of operation at full power. Actual run time may vary based on usage mode and floor

type.

- **Storage:** If the robot vacuum will not be used for an extended period, fully charge the battery and then store the device in a cool, dry place. Recharge every 3-6 months to maintain battery health.

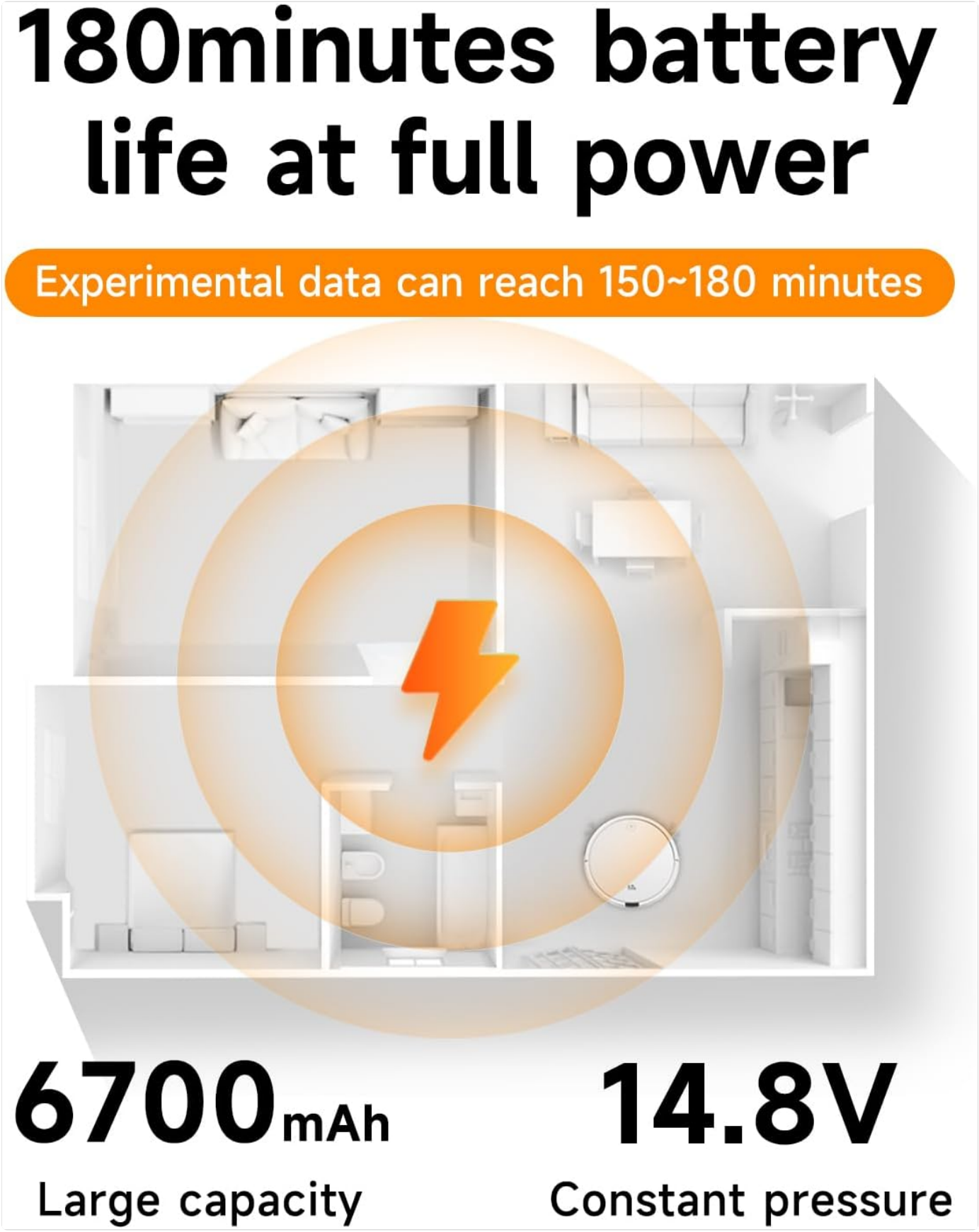


Figure 4: The 6700mAh battery provides extended operational time for your robot vacuum.

Maintenance

Proper maintenance extends the life of your battery:

- **Regular Cleaning:** Use the provided cleaning brush to keep the battery contacts and compartment free of dust and debris.
- **Temperature:** Operate and store the battery within the recommended working temperature range of -10°C to 50°C (14°F to 122°F). Extreme temperatures can degrade battery performance and lifespan.
- **Avoid Deep Discharge:** Do not allow the battery to completely drain frequently. Charge the robot vacuum when the battery level is low.

Troubleshooting

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

- **Robot Not Powering On:**
  - Ensure the battery is correctly installed and its connector is firmly seated.
  - Verify the battery is charged. Place the robot on its charging base for several hours.
- **Short Run Time:**
  - Ensure the battery has been fully charged.
  - Check for any blockages in the robot vacuum (e.g., brushes, wheels) that might increase power consumption.
  - Confirm the robot is operating in a standard cleaning mode, as high-power modes consume more energy.
- **Charging Issues:**
  - Clean the charging contacts on both the robot and the charging base.
  - Ensure the charging base is properly connected to power.
  - The battery's safety features include auto-detection for non-rechargeable or defective batteries. If charging fails, contact support.

If problems persist, refer to the Warranty and Support section for assistance.

Specifications

Model Number	RS24
Battery Type	Lithium-Polymer (Li-ion)
Capacity	6700 mAh
Voltage	14.4V (Rated Voltage: 14.8V)
Product Dimensions (L x W x H)	135 x 39 x 37 mm (approx. 5.31 x 1.54 x 1.46 inches)
Item Weight	402g (approx. 14.18 oz)
Working Temperature	-10°C to 50°C (14°F to 122°F)
Certifications	CE, RoHs, FCC, KC, UN38.8, UN38.3



Model: SR24	Type: Li-polymer battery
Capacity: 6700mAh	Rated Voltage: 14.8V
Product color: orange	Weight: 402g
Working Temperature: -10°~50°	
Dimensions(L*W*H): 135x39x37mm (L*W*H)	

Figure 5: Detailed specifications and dimensions of the Palowextra RS24 battery.



Figure 6: Internal components highlighting the intelligent power control chip and real lithium battery cells.

Warranty and Support

Palowextra provides the following support for your battery:

- **Refund or Return:** 60 days from the date of purchase.
- **Warranty:** 1 year limited warranty.
- **Customer Service:** 24/7 friendly customer service is available for any inquiries or issues. Please refer to your purchase platform for contact details.

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