

APC APCRBC124

APC APCRBC124 UPS Battery Replacement Instruction Manual

MODEL: APCRBC124 | BRAND: APC

1. Introduction

This manual provides essential instructions for the safe and effective replacement of the APC APCRBC124 battery cartridge in compatible APC Uninterruptible Power Supply (UPS) units. The APCRBC124 is a Valve Regulated Lead Acid (VRLA) battery designed to restore your APC UPS to its original performance specifications. Please read all instructions carefully before proceeding with installation or maintenance.

2. Safety Information

- Use only genuine APC replacement batteries to ensure optimal performance and warranty support for your APC UPS.
- The battery is a sealed, non-spillable lead-acid battery.
- Do not dispose of the battery in fire; it may explode.
- Do not open or mutilate the battery. Released electrolyte is harmful to the skin and eyes. It may be toxic.
- Refer to the labels on the battery cartridge for additional safety warnings and handling instructions.

3. Package Contents

The APC APCRBC124 package typically includes:

- One (1) Battery Pack with New Batteries Installed
- Reusable Packaging for Recycling Return

4. Compatibility

The APCRBC124 battery cartridge is compatible with the following APC UPS models:

- BR1500G

- BX1500M
- BR1300G
- SMC1000-2U
- SMC1000-2UC
- BR1500GI
- BX1500G

And select other compatible models.

5. Installation

The APCRBC124 is designed for hot-swappable installation in many compatible UPS models, meaning the battery can be replaced without powering down connected equipment. However, for safety and proper procedure, it is recommended to power off the UPS if possible.

Installation Steps:

1. **Prepare the UPS:** If your UPS supports hot-swapping, you may not need to power it down. However, for safety, it is recommended to turn off the UPS and disconnect it from the main power supply.
2. **Locate the Battery Compartment:** The battery compartment is typically located on the front or side of the UPS.
3. **Remove the Battery Cover:** Gently slide or pop open the battery compartment cover.
4. **Disconnect and Remove the Old Battery:** Pull the old battery cartridge out using the integrated pull tabs. Ensure the connectors disconnect smoothly.
5. **Insert the New Battery:** Orient the new APCRBC124 battery cartridge as indicated by the "INSERT THIS WAY" label. Slide it firmly into the compartment until the connectors engage.
6. **Secure the Battery Cover:** Replace the battery compartment cover, ensuring it clicks securely into place.
7. **Power On the UPS:** Reconnect the UPS to the main power supply and turn it on.
8. **Perform Self-Test and Recalibration:** After installation, allow the new battery to charge for at least 16-24 hours. Then, perform a self-test and update the battery replacement date using the UPS's display or the PowerChute software. This recalibrates the UPS for accurate runtime estimations.



Figure 1: Front view of the APC APCRBC124 Battery Replacement.



Figure 2: Side view of the APC APCRBC124 Battery Replacement, showing the 'TO CONNECT BATTERY' label and pull tabs.



Figure 3: Back view of the APC APCRBC124 Battery Replacement.

Your browser does not support the video tag.

Video 1: Official APC video demonstrating the battery replacement process for various APC UPS models. This video provides a general overview of how to replace an APC UPS battery.

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Video 2: Official APC video highlighting the benefits of genuine APC UPS Replacement Batteries, including safety and performance.

6. Operation

After installing the new battery, your UPS should resume normal operation. The UPS will automatically begin charging the new battery. For accurate monitoring and management of your UPS and its new battery, it is highly recommended to use APC's PowerChute software.

PowerChute Software: This software allows you to:

- Monitor UPS status and battery charge.
- Perform self-tests.
- Update the battery replacement date to ensure accurate runtime calculations. This step is crucial for the UPS to correctly recognize the new battery's capacity and provide reliable runtime estimates.

Refer to your specific UPS model's user manual for detailed instructions on using PowerChute software and performing battery recalibration.

7. Maintenance

To maximize the lifespan and performance of your APC UPS and its battery, consider the following:

- **Regular Self-Tests:** Periodically perform self-tests as recommended by your UPS model's manual or PowerChute software.
- **Environmental Conditions:** Operate the UPS within recommended temperature and humidity ranges.
- **Battery Lifespan:** Genuine APC batteries typically have a lifespan of 3-5 years, depending on usage and environmental factors.
- **Recycling:** When replacing your old battery, utilize APC's authorized recycling program. This program includes free return to a recycling center using the packaging from your new battery. Visit the APC website for detailed instructions on the "RBC Recycling Program".

Recycling Options

APC by Schneider Electric offers environmentally sound recycling programs to help reduce electronic waste and protect the environment.



Shipping



Drop Off

Visit [APC.com](https://www.apc.com) for instructions on return shipping or how to drop off of your old APC battery cartridge.

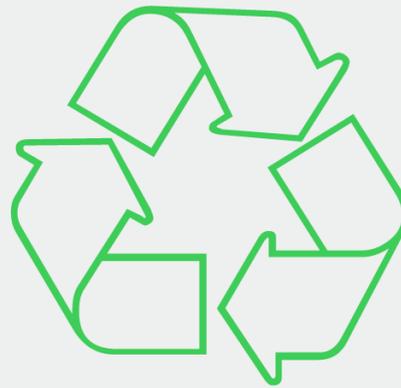


Figure 4: APC offers environmentally sound recycling programs for old battery cartridges.

8. Troubleshooting

If you encounter issues after replacing the battery, consider the following common scenarios:

- **"X" on Battery Icon or Bad Battery Light:** This often indicates the UPS has not yet recognized the new battery or requires recalibration. Ensure the battery is fully charged (allow 16-24 hours) and then perform a self-test. If using PowerChute software, update the battery replacement date.
- **Low Estimated Run Time:** After replacing the battery, the UPS might initially display a low run time. This is normal until the battery has fully charged and the UPS has been recalibrated. Perform a self-test and update the battery replacement date in PowerChute software to resolve this.
- **UPS Not Powering On:** Double-check all connections, including the battery cartridge insertion. Ensure the UPS is plugged into a working power outlet.

If problems persist, consult the full user manual for your specific APC UPS model or contact APC customer support.

9. Specifications

Feature	Specification
Product Dimensions	8.86 x 7.24 x 3.78 inches
Item Weight	1.54 pounds
Item Model Number	APCRBC124
Batteries Required	1 12V battery required
Battery Cell Composition	Sealed Lead Acid
Battery Capacity	9 Amp Hours

10. Warranty and Support

Genuine APC Replacement Battery Cartridges (RBCs) are backed by a **2-year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further assistance, please visit the official APC by Schneider Electric

website or contact their customer service directly. Ensure you have your proof of purchase and the battery's serial number available.