

APC APCRBC140

APC APCRBC140 UPS Replacement Battery Cartridge User Manual

Model: APCRBC140

INTRODUCTION

This manual provides essential information for the safe and effective use, installation, and maintenance of your APC APCRBC140 Replacement Battery Cartridge. The APCRBC140 is designed to restore the performance of your compatible APC Smart-UPS to original specifications.



Image: Two APC APCRBC140 Replacement Battery Cartridges, showing their robust design and connectors.

SAFETY INFORMATION

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

- The battery is a sealed, non-spillable lead-acid battery.
- **Do not** charge in a gas-tight container.
- **Do not** short battery terminals.
- **Do not** incinerate the battery.
- Flush with water at once if contaminated with electrolyte (acid).
- Always wear appropriate personal protective equipment (PPE) when handling batteries.



Image: A warning label from an APC battery, indicating safety precautions and recycling symbols for lead (Pb) and proper disposal.

COMPATIBILITY

The APCRBC140 Replacement Battery Cartridge is compatible with the following APC Smart-UPS models:

- SRT10KRMXLI
- SRT10KRMXLT
- SRT10KRMXLT-10KTF
- SRT10KXLI
- SRT6KRMXLT
- SRT6KXLT
- SRT8KXLT

Using genuine APC replacement batteries ensures optimal performance and maintains warranty support for your APC UPS.

SETUP AND INSTALLATION

Before beginning the battery replacement process, ensure your UPS is turned off and disconnected from all power sources and connected equipment. Refer to your specific UPS model's user manual for detailed battery replacement instructions, as procedures may vary.

1. **Preparation:** Power down the UPS and disconnect it from the AC power outlet. Disconnect all connected loads.
2. **Access Battery Compartment:** Locate and open the battery compartment on your UPS. This may involve removing a front panel or cover.
3. **Disconnect Old Battery:** Carefully disconnect the battery cables from the old battery cartridge. Note the polarity

(+/-) if applicable.

4. **Remove Old Battery:** Slide or pull out the old battery cartridge from the UPS. Be aware of its weight.
5. **Install New Battery:** Insert the new APCRBC140 cartridge into the UPS compartment, ensuring it slides in completely and securely.
6. **Connect New Battery:** Reconnect the battery cables to the new cartridge, ensuring correct polarity.
7. **Secure Compartment:** Close and secure the battery compartment cover.
8. **Power On:** Reconnect the UPS to the AC power outlet and turn it on. Allow the UPS to charge the new battery for at least 24 hours before relying on it for full runtime.

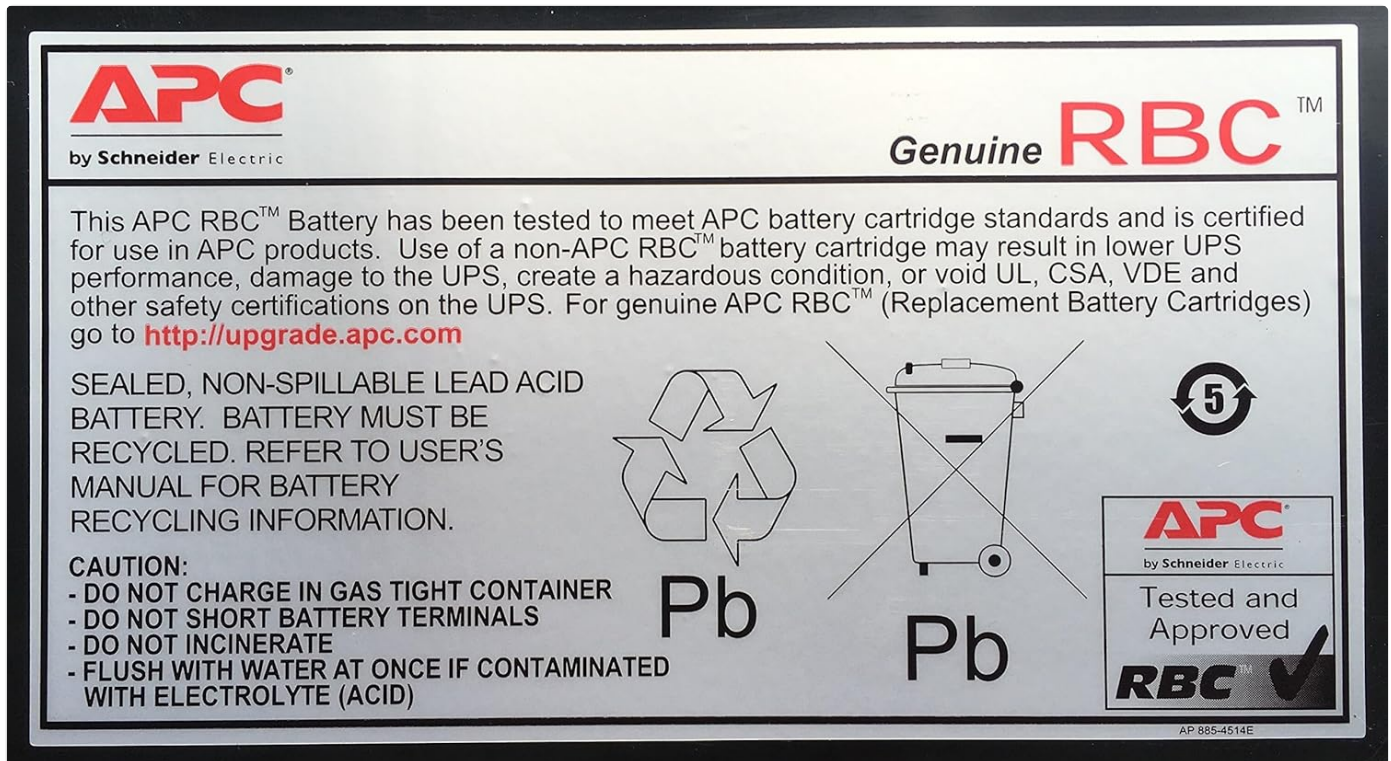


Image: An APC Smart-UPS unit, illustrating the general location where a battery cartridge would be installed or replaced.

OPERATION

Once installed, the APCRBC140 functions as the power source for your UPS during power outages or fluctuations. The UPS will automatically manage the charging and discharging of the battery. Ensure the UPS is connected to a stable power source to allow the battery to remain fully charged.

- The UPS will perform self-tests periodically to check battery health.
- A new battery may not provide full runtime until it has undergone a full charge/discharge cycle.

MAINTENANCE

The APCRBC140 is a maintenance-free sealed lead-acid battery. However, proper care of your UPS system will extend the life of the battery.

- Keep the UPS in a cool, dry, and well-ventilated area.
- Avoid exposing the UPS and battery to extreme temperatures.
- Ensure the UPS is regularly connected to power to keep the battery charged. Prolonged storage of a discharged battery can reduce its lifespan.
- Periodically perform a UPS self-test to monitor battery health.

RECYCLING

Batteries contain materials that must be recycled properly. Do not dispose of the old battery cartridge in household waste. APC offers an "RBC Recycling Program" for genuine APC Replacement Battery Cartridges. This program includes free return to a recycling center. You can use the packaging from your new battery to return the old one. Visit the official APC website for details on how to participate in this program.

TROUBLESHOOTING

If you encounter issues after installing your new APCRBC140, consider the following common scenarios:

- **UPS not recognizing new battery:** Ensure all battery cables are securely connected and the battery compartment is properly closed. Try performing a manual self-test on the UPS.
- **Short runtime after installation:** A new battery requires a full charge cycle (typically 24 hours) to reach its optimal capacity. Ensure the UPS is connected to utility power for this duration.
- **Battery warning light/alarm:** If the warning persists after charging, verify the battery connections. If the issue continues, the UPS itself might require service, or the battery may be faulty (though rare for new genuine RBCs).

For more complex issues, refer to your UPS model's specific troubleshooting guide or contact APC technical support.

SPECIFICATIONS

Attribute	Value
Brand	APC
Model	APCRBC140
Battery Cell Composition	Sealed Lead Acid
Product Dimensions	23.5"D x 7.75"W x 4.8"H
Voltage	240 Volts (as part of UPS system)
Color	Black

WARRANTY

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. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, product inquiries, or warranty claims, please visit the official APC by Schneider Electric website or contact their customer support. Have your product model (APCRBC140) and UPS model information ready when contacting support.

Note: Always refer to the specific user manual for your APC Smart-UPS model for detailed instructions on battery replacement and UPS operation.

