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> [NEX APCRBC140 UPS Battery Replacement Instruction Manual for APC Smart-UPS SRT Series](#)

NEX APCRBC140

NEX APCRBC140 UPS Battery Replacement Instruction Manual for APC Smart-UPS SRT Series

Model: APCRBC140 | Brand: NEX

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your NEX APCRBC140 UPS Battery Replacement. This battery unit is designed to provide reliable power backup for compatible APC Smart-UPS models and SRT Series units, ensuring continuous operation of your critical devices during power outages. Please read this manual thoroughly before use to ensure proper handling and maximize the lifespan of your battery replacement unit.

2. SAFETY PRECAUTIONS

Always observe the following safety guidelines when handling and operating the UPS battery replacement:

- **Battery Type:** This unit contains sealed lead-acid batteries. Do not attempt to open or modify the battery pack.
- **Recycling:** Batteries must be recycled. Refer to local regulations for proper disposal and recycling information.
- **Avoid Water:** Do not expose the battery unit to water or excessive moisture.
- **Temperature:** Avoid operating or storing the unit in environments with extreme temperatures (exceeding specified ranges).
- **Overload Protection:** Do not overload the UPS system beyond its rated capacity. The UPS has built-in overload protection.
- **Physical Damage:** Avoid dropping or subjecting the unit to strong impacts.
- **Ventilation:** Ensure adequate ventilation around the UPS unit to prevent overheating. Do not block cooling vents.
- **Authorized Personnel:** Only qualified service personnel should perform maintenance or repairs beyond battery replacement.

3. PRODUCT DESCRIPTION

The NEX APCRBC140 is a high-quality replacement battery cartridge designed for seamless compatibility with various APC Smart-UPS models and SRT Series units. It ensures reliable power backup and efficient power management for your critical electronic devices.

3.1 Key Features

- **Compatibility:** Fully compatible with APC Battery Smart-UPS models and SRT Series units.
- **Reliable Power Backup:** Provides dependable power to critical devices during outages.

- **Easy Installation:** Designed for hassle-free, hot-swappable installation in compatible UPS systems.
- **Durable Construction:** Built with high-quality materials for long-lasting performance.
- **Efficient Power Management:** Optimized to maximize uptime and minimize operational costs.

3.2 Components

The APCRBC140 replacement unit comes as a complete battery cartridge assembly, including all required connectors, cables, fuses, and metal enclosures. No additional assembly is required for the battery pack itself.



Figure 1: Two NEX APCRBC140 UPS Battery Replacement units, showing their robust casing and connectors.



Figure 2: NEX APCRBC140 UPS Battery Replacement units securely packaged within a cardboard box, protected by foam inserts.

3.3 Compatibility Overview

The APCRBC140 is designed to be compatible with a range of APC Smart-UPS models, including SRT Series units. Always verify your specific UPS model's compatibility before purchasing.



NEX GENERATION RBM

APCRBC-140 COMPATIBILITY

COMPATIBLE WITH APC BATTERY BACKUP
SMART-UPS MODELS SRT SERIES UNITS

SRT10KRMXLI, SRT10KRMXLT
SRT10KRMXLT-10KTF, SRT10KXLI
SRT6KRMXLT, SRT6KXLT,
SRT8KXLT, AND MORE.



Figure 3: Graphic illustrating the compatibility of the NEX APCRBC140 with various APC Smart-UPS SRT Series models such as SRT10KRMXLI, SRT10KRMXLT, SRT10KRMXLT-10KTF, SRT10KXLI, SRT6KRMXLT, SRT6KXLT, and SRT8KXLT.

4. SETUP & INSTALLATION

The NEX APCRBC140 battery replacement unit is designed for easy, hot-swappable installation in compatible UPS systems. This means you can replace the battery without powering down your connected devices, minimizing downtime.

4.1 Hot-Swappable Installation Process

1. **Identify the Battery Compartment:** Locate the battery access panel on your APC Smart-UPS unit. Refer to your UPS's user manual for exact location.
2. **Remove the Old Battery:** Carefully slide out the old battery cartridge from the UPS. Most compatible APC models allow for removal without tools.
3. **Insert the New Battery:** Slide the new NEX APCRBC140 battery cartridge into the empty compartment until it is fully seated and securely connected. Ensure the connectors align properly.
4. **Verify Installation:** The UPS system should automatically recognize the new battery. Check the UPS display or management software for confirmation of successful installation and battery status.



Figure 4: Illustration of the hot-swappable battery system, allowing replacement without interrupting power to connected devices.

5. OPERATING INSTRUCTIONS

Once the NEX APCRBC140 battery replacement is installed, your UPS system will resume its normal operation, providing uninterrupted power to your connected devices. The battery's function is largely managed by the UPS unit itself.

5.1 Initial Charge

Upon installation, the UPS will begin charging the new battery. Allow sufficient time for the battery to reach full charge before relying on it for extended backup. The UPS display will indicate the charging status.

5.2 Power Outage Response

In the event of a power outage, the UPS will automatically switch to battery power, drawing energy from the newly installed APCRBC140 unit. This transition is typically seamless, preventing any interruption to your connected equipment.

5.3 UPS Display Information

Your UPS unit's LCD display will provide real-time information regarding the battery's charge level, estimated runtime, and overall power conditions. Monitor this display for optimal performance and timely maintenance.

6. MAINTENANCE & CARE

Proper maintenance ensures the longevity and optimal performance of your NEX APCRBC140 battery replacement and the overall UPS system.

- **Keep Charged:** Always keep the UPS connected to a power source to maintain the battery's charge. Lithium iron phosphate batteries do not drain significantly when idle, but continuous charging ensures readiness.
- **Regular Self-Tests:** Perform periodic self-tests on your UPS system as recommended by the UPS manufacturer. This helps verify battery health and functionality.
- **Environmental Conditions:** Operate the UPS within recommended temperature and humidity ranges to prevent premature battery degradation.
- **Cleanliness:** Keep the UPS unit and its vents free from dust and debris to ensure proper airflow and prevent overheating.
- **Battery Lifespan:** Lithium iron phosphate batteries offer a significantly longer lifespan (over 10 years and approximately 5,000

charge cycles) compared to traditional lead-acid batteries. Replace the battery when the UPS indicates a "bad battery" or significantly reduced runtime.



Figure 5: NEX is committed to providing reliable UPS replacement batteries, protecting valuable equipment and data, minimizing downtime, maintaining safety, and improving the overall lifespan of the UPS system.

7. TROUBLESHOOTING

If you encounter issues with your UPS system after installing the NEX APCRBC140, consider the following common troubleshooting steps:

- **UPS Not Turning On:**

- Ensure the UPS is properly plugged into a functioning wall outlet.
- Verify the battery cartridge is fully seated and connected within the UPS.
- Check the UPS's circuit breaker (if applicable) and reset if tripped.

- **"Bad Battery" Indication:**

- If the UPS displays a "bad battery" warning shortly after installation, ensure the battery is correctly installed.
- Allow the battery to charge for at least 24 hours. If the error persists, the battery may be faulty or incompatible.

- **Short Runtime:**

- Ensure the battery is fully charged.
- Reduce the load on the UPS by disconnecting non-essential devices.
- Verify that the total wattage of connected devices does not exceed the UPS's capacity.

- **Overload Warning:**

- If the UPS indicates an overload, immediately disconnect non-essential equipment.
- Press the overload protector switch on the UPS (if available) to reset.

For persistent issues, consult your APC UPS user manual or contact NEX customer support.

8. SPECIFICATIONS

Feature	Detail
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Model Number	APCRBC140
Battery Type	Sealed Lead Acid
Number of Batteries	8 x 12V batteries required (per unit)
Battery Capacity	5.1 Amp Hours
Item Weight	76 pounds
Package Dimensions	30.75 x 16.1 x 8.9 inches
Recommended Uses	UPS (Uninterruptible Power Supply)
Manufacturer	Int'l Precision Assemblies Inc.



Figure 6: Detailed specifications including weight, dimensions, and battery configuration of the APCRBC140 unit.

9. WARRANTY & SUPPORT

For warranty information or technical support regarding your NEX APCRBC140 UPS Battery Replacement, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt for warranty claims.