

APC SRT3000RMXLT

APC Smart-UPS SRT3000RMXLT 3kVA 208V Rackmount UPS User Manual

Model: SRT3000RMXLT

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, maintenance, and troubleshooting of the APC Smart-UPS SRT3000RMXLT 3kVA 208V Rackmount Uninterruptible Power Supply (UPS). Please read this manual thoroughly before installing or operating the equipment to ensure proper usage and safety.

2. SAFETY INFORMATION

Observe all warnings and operating instructions in this manual. Failure to do so may result in injury or equipment damage.

- **Electrical Safety:** This unit contains hazardous voltages. Do not attempt to disassemble the UPS. Servicing should only be performed by qualified personnel.
- **Battery Safety:** Batteries can present a risk of electrical shock and high short-circuit current. Remove watches, rings, or other metal objects before handling batteries. Use tools with insulated handles.
- **Weight:** The UPS is heavy. Use proper lifting techniques and ensure adequate support during installation.
- **Environment:** Install the UPS indoors in a controlled environment, free from excessive dust, moisture, and extreme temperatures.

3. PACKAGE CONTENTS

Carefully unpack the UPS and inspect for shipping damage. The package should contain the following items:

- APC Smart-UPS SRT3000RMXLT Unit
- Power Supply (Built-In)
- Rack-mounting hardware
- Documentation CD

- USB cable
- Serial cable

4. SETUP

4.1 Physical Installation

The SRT3000RMXLT is designed for rack installation. Ensure the rack is stable and capable of supporting the UPS weight (approximately 69 pounds).

1. Mount the UPS into a standard 19-inch rack using the provided rack-mounting hardware.
2. Ensure adequate airflow around the unit. Do not block ventilation openings.



Figure 4.1: Front view of the APC Smart-UPS SRT3000RMXLT. This image shows the front panel with the display and ventilation grille.

4.2 Connecting the UPS

Connect the UPS to the utility power and your equipment.

1. Connect the UPS input power cord to a dedicated 208V AC outlet. The UPS uses a Type B - 3 pin (North American) power plug.
2. Connect your equipment to the output receptacles on the rear of the UPS. The unit provides 12 IEC 320 C13/C14 outlets.
3. For communication, connect the USB cable or serial cable from the UPS to your computer or network management card.



Figure 4.2: Rear view of the APC Smart-UPS SRT3000RMXLT. This image displays the various input and output ports, including USB, serial, EPO, and the 12 output receptacles, along with the main power input.

4.3 Initial Power-Up

After all connections are secure:

1. Press the power button on the front panel to turn on the UPS.
2. The UPS will perform a self-test and the display will show the current status.
3. Allow the batteries to charge for at least 6 hours before relying on them for extended backup time.

5. OPERATING THE UPS

5.1 Front Panel Display and Controls

The front panel features an LCD display and control buttons for monitoring and configuring the UPS.

- **LCD Display:** Shows real-time status, load, battery charge, input/output voltage, and event logs.
- **ESC Button:** Exits the current menu or cancels an operation.
- **OK Button:** Confirms a selection or enters a menu.
- **Up/Down Arrows:** Navigate through menu options or adjust settings.

5.2 Basic Operation

- **Turning On:** Press and hold the power button until the display illuminates.
- **Turning Off:** Press and hold the power button until the UPS powers down. Ensure all connected equipment is safely shut down first.
- **Battery Mode:** In the event of a power outage, the UPS will automatically switch to battery power. The display will indicate 'On Battery'.
- **Self-Test:** Initiate a manual self-test through the front panel menu to verify battery and UPS functionality.

6. MAINTENANCE

6.1 Battery Replacement

The UPS uses sealed lead-acid batteries. Battery life is typically 3-5 years, depending on environmental conditions and usage. Replace batteries when the UPS indicates a 'Battery Fault' or 'Replace Battery' warning.

- Contact APC support or a certified service technician for battery replacement.
- Always use genuine APC replacement battery cartridges (RBCs) to ensure compatibility and optimal performance.
- Recycle old batteries responsibly.

6.2 Cleaning

Keep the UPS free from dust and debris to ensure proper ventilation.

- Use a soft, dry cloth to clean the exterior of the UPS.
- Do not use liquid cleaners or solvents.
- Ensure ventilation openings are clear of obstructions.

7. TROUBLESHOOTING

This section provides solutions to common issues. For more complex problems, contact technical support.

| Problem | Possible Cause | Solution |
|------------------------------------|--|--|
| UPS does not turn on | No input power; Battery disconnected or discharged | Check power cord connection; Ensure utility power is present; Allow batteries to charge. |
| UPS beeps continuously | On battery power; Overload condition | Check utility power; Reduce connected load. |
| 'Replace Battery' indicator | Battery nearing end of life | Order and replace the battery cartridge. |
| UPS not providing power to outlets | Output circuit breaker tripped; UPS in fault mode | Reset circuit breaker; Check display for fault codes and consult manual. |

8. SPECIFICATIONS

Key technical specifications for the APC Smart-UPS SRT3000RMXLT.

| Feature | Specification |
|------------------------|----------------------|
| Model Number | SRT3000RMXLT |
| Brand | APC |
| Output Power Capacity | 3000 VA / 2700 Watts |
| Nominal Output Voltage | 208V AC |
| Nominal Input Voltage | 208V AC / 230V AC |
| Input Frequency | 60 Hz |
| Output Connections | 12 x IEC 320 C13/C14 |
| Battery Type | Lead Acid |

| Feature | Specification |
|---------------------------------|-------------------------|
| Typical Recharge Time | 6 Hours |
| Typical Backup Time (Full Load) | 4 minutes |
| Form Factor | Rack |
| Dimensions (H x W x D) | 9 x 23 x 34 inches |
| Weight | 69 Pounds |
| Operating Temperature | 0 - 40 °C (32 - 104 °F) |

9. WARRANTY AND SUPPORT

9.1 Warranty Information

APC provides a standard warranty for this product. Please refer to the warranty card included with your product or visit the official APC website for detailed warranty terms and conditions specific to your region.

9.2 Technical Support

For technical assistance, product information, or troubleshooting beyond the scope of this manual, please contact APC customer support. Have your model number (SRT3000RMXLT) and serial number ready when contacting support.

- Visit the official APC website for support resources, FAQs, and contact information.
- Online resources often include updated manuals, firmware, and diagnostic tools.