

APC SRT3000XLT

APC Smart-UPS SRT 3000VA 208V

USER MANUAL

1. Introduction and Overview

The APC Smart-UPS SRT 3000VA 208V is an advanced Uninterruptible Power Supply (UPS) designed to provide reliable power protection for critical electronic equipment. This unit ensures high availability, scalability, and flexibility for various applications, mitigating power and voltage disruptions.



Figure 1.1: Front view of the APC Smart-UPS SRT 3000VA 208V.



Figure 1.2: APC Smart-UPS SRT On-line series overview.

Key features include:

- 3000VA / 2700W Battery backup capacity.
- Pure sine wave power output.
- Double-conversion on-line power protection.
- High online efficiency (93.7%).
- Designed for high availability and scalability.

Live Swappable Batteries

Ensure clean, uninterrupted power to protected equipment while batteries are being replaced.



Figure 1.3: Overview of premium power protection features.

2. Setup and Installation

The SRT series UPS offers flexible installation options, being rack/tower convertible to adapt to evolving business needs.

Intuitive LCD Interface

Real-time status updates with multiple language options and intuitive navigation keys.



Figure 2.1: The UPS can be configured for both tower and rack installations.

2.1 Communication Ports and Outlets

The UPS features advanced monitoring and management capabilities with numerous outlets to power and protect sensitive devices.

- SmartSlot™ for network management / accessory card.
- 1 NEMA L6-30R outlet (switched outlet group 1).
- 2 NEMA L6-20R outlets (switched outlet group 2).

Power protection for your physical & virtual IT environment with PowerChute™ Network Shutdown Software

Unattended, graceful shutdown, automated start-up and ease of use for:



Hyperconverged infrastructure



Virtual machines



Hosts and cluster services

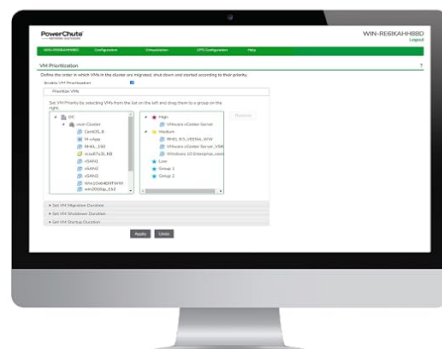


Figure 2.2: Rear view showing communication ports and power outlets.

3. Operating Instructions

3.1 Intuitive LCD Interface

The UPS is equipped with an intuitive LCD interface providing real-time status updates and multiple language options for easy navigation.

Installation Flexibility

The SRT series is rack/tower convertible to support evolving business needs.



Figure 3.1: The LCD display provides real-time status and navigation.

3.2 Extended Runtime Capability

The Smart-UPS SRT supports up to 10 external battery packs, significantly extending runtime during power outages. For example, with 0 external batteries, runtime is approximately 9 minutes at half load, while with 10 external batteries, it extends to 5 hours.



Figure 3.2: Estimated battery runtime with and without external battery packs.

3.3 Live Swappable Batteries

The UPS features live swappable batteries, allowing for battery replacement without interrupting power to protected equipment, ensuring continuous operation.

Intelligent battery management

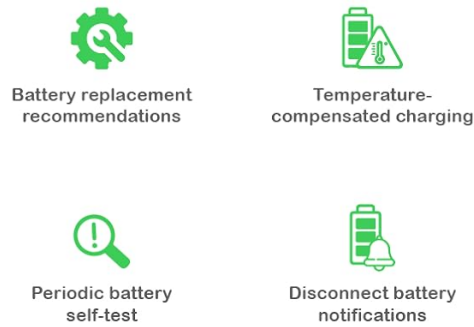


Figure 3.3: Live swappable batteries allow for uninterrupted power during replacement.

3.4 Benefits of Double-conversion On-line UPS

This UPS provides double-conversion on-line power protection, offering several benefits:

- Ensures clean and uniform power to critical loads.
- Provides high protection from raw utility power, anomalies like brownouts, line noise, voltage transients, and power disruptions.
- Delivers power from batteries with zero transfer time during power disruptions, ideal for sensitive equipment.

Benefits of Double-conversion On-line UPS

- Ensures clean and uniform power to critical loads
- High level of protection to the equipment from raw utility power, power anomalies such as brownouts, line noise, voltage transients, and power disruptions
- Provides power from the batteries with zero transfer time in case of a power disruption, making it ideal for sensitive equipment



Figure 3.4: Advantages of double-conversion on-line UPS technology.

3.5 PowerChute Network Shutdown Software

For comprehensive power protection of your physical and virtual IT environment, the UPS integrates with PowerChute™ Network Shutdown Software. This software enables unattended, graceful shutdown, automated start-up, and ease of use for hyperconverged infrastructure, virtual machines, and hosts and cluster services.

Communication Ports and Outlets

Advanced monitoring and management capabilities with numerous outlets to power and protect all your sensitive devices.



Figure 3.5: PowerChute Network Shutdown Software interface.

4. Maintenance

4.1 Intelligent Battery Management

The UPS incorporates intelligent battery management features to optimize battery life and ensure readiness:

- Battery replacement recommendations.
- Temperature-compensated charging.
- Periodic battery self-test.
- Disconnect battery notifications.



Figure 4.1: Key aspects of intelligent battery management.

5. Troubleshooting

This section provides general guidance for common issues. For detailed troubleshooting steps, refer to the official user guide or contact APC technical support.

- **No Power:** Ensure the UPS is properly connected to a live power outlet and the power switch is in the 'On' position. Check circuit breakers.
- **Battery Not Charging:** Verify the battery is correctly installed. If the issue persists, the battery may need replacement.

- **Overload Alarm:** Reduce the connected load to within the UPS's capacity. Disconnect non-essential equipment.
- **Unusual Noises:** If the UPS emits unusual noises, disconnect it from power and connected devices, then contact support.

6. Specifications

| Attribute | Value |
|----------------------------|------------------------------------|
| Brand | APC |
| Model Number | SRT3000XLT |
| Capacity | 3000VA / 2700W |
| Input Voltage | 208V |
| Output Voltage | 96 Volts (internal battery system) |
| Item Weight | 69 pounds |
| Product Dimensions (LxWxH) | 35 x 23.75 x 9.5 inches |
| Color | Black |
| Battery Type | Sealed Lead Acid |
| Number of USB 2.0 Ports | 1 |
| First Available Date | November 12, 2015 |



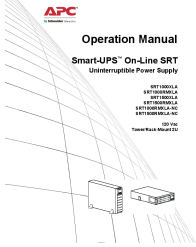
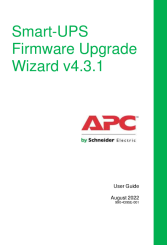

7. Warranty and Support

For detailed warranty information, please refer to the documentation included with your product or visit the official APC website. For technical assistance, customer support is available.

An official User Guide in PDF format is available for download:[Download User Guide \(PDF\)](#)

For further assistance, you may contact APC customer support through their official channels.

Related Documents - SRT3000XLT

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|---|---|
|  | <p>APC Smart-UPS SRT 3000VA 208V Datasheet and Technical Specifications</p> <p>Comprehensive technical data sheet for the APC Smart-UPS SRT 3000VA 208V, detailing its electrical specifications, physical characteristics, runtime capabilities, environmental operating conditions, and product certifications.</p> |
|  | <p>APC Smart-UPS SRT 10000VA 208V Technical Specifications</p> <p>Detailed technical specifications for the APC Smart-UPS SRT 10000VA 208V, including output, input, battery, communication, physical, environmental, and conformance details. Model SRT10KXLT.</p> |
|  | <p>APC Smart-UPS SRT Operation Manual</p> <p>This operation manual provides detailed information on the APC Smart-UPS SRT series, including installation, operation, safety guidelines, and troubleshooting for models like SRT1000XLA, SRT1000RMXLA, SRT1500XLA, and their NC variants.</p> |
|  | <p>Smart-UPS Firmware Upgrade Wizard v4.3.1 User Guide</p> <p>User guide for Schneider Electric's Smart-UPS Firmware Upgrade Wizard v4.3.1, detailing system requirements, supported devices, usage notes, troubleshooting, and a step-by-step walkthrough for updating UPS firmware.</p> |
|  | <p>APC Smart-UPS Firmware Upgrade Wizard v4.2.0 Technical Guide</p> <p>A technical guide detailing the process of upgrading the firmware for APC Smart-UPS devices using the Firmware Upgrade Wizard v4.2.0. It covers system requirements, supported devices, usage notes, and troubleshooting.</p> |



information.