

APC SRT5KRMXLT-5KTF

APC Smart-UPS SRT 5000VA Step-Down Transformer User Manual

Model: SRT5KRMXLT-5KTF

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your APC Smart-UPS SRT 5000VA RM 208V to 120V 2U Stepdown Transformer. This Uninterruptible Power Supply (UPS) is designed to provide reliable power protection and extended runtime for critical electronic equipment, ensuring business uptime and continuity during power disruptions.

The APC Smart-UPS SRT 5kVA is a double-conversion on-line pure sine wave UPS, suitable for IT professionals and network administrators. It features an embedded Network Management Card for remote monitoring and management, and supports graceful shutdown of physical servers, virtual machines, and HCI clusters via PowerChute Network Shutdown.

2. SAFETY INFORMATION

Read and understand all instructions before installing, operating, servicing, or maintaining this equipment. Adhere to all local and national electrical codes.

- **Electrical Shock Hazard:** This unit contains hazardous voltages. Do not open the UPS enclosure. Servicing should only be performed by qualified personnel.
- **Battery Safety:** Batteries can present a risk of electrical shock and high short-circuit current. Observe proper precautions when working with batteries.
- **Weight Hazard:** The UPS is heavy. Use proper lifting techniques and sufficient personnel when moving or installing the unit. Refer to specifications for weight.
- **Ventilation:** Ensure adequate airflow around the UPS. Do not block ventilation openings.
- **Environment:** Install the UPS in a controlled environment, free from excessive dust, moisture, and extreme temperatures.

3. SETUP AND INSTALLATION

The APC Smart-UPS SRT 5000VA is a 5U rackmount unit. Proper installation is crucial for optimal performance and safety.

3.1 Unpacking and Inspection

Carefully unpack the UPS and inspect it for any shipping damage. Report any damage to the carrier and your dealer immediately.

3.2 Physical Installation

Install the UPS in a standard 19-inch equipment rack. Due to its weight, it is recommended to use a lift or multiple personnel for safe installation.



Figure 3.1: Front view of the APC Smart-UPS SRT 5000VA rackmount unit, showing the front panel and rack ears.

3.3 Electrical Connections

Ensure all connections are secure and comply with local electrical codes. The UPS requires a NEMA L6-30P input connection.

- **Main Input:** 208V-240V, 30A via NEMA L6-30P.
- **Output Receptacles:**
 - 12x NEMA 5-20R (120V)
 - 2x NEMA L6-20R (208V)
 - 2x NEMA L6-30R (208V)



Figure 3.2: Rear view of the APC Smart-UPS SRT 5000VA, illustrating the various input and output receptacles for power distribution.

The power cable length is 10 feet.

3.4 Network Management Card Setup

The UPS includes an embedded Network Management Card for network-based monitoring and management. Connect an Ethernet cable to the network port on the rear of the UPS. Refer to the Network Management Card documentation for detailed configuration instructions, including IP address assignment and network settings.

3.5 PowerChute Network Shutdown

Install PowerChute Network Shutdown software on your servers and virtual machines to enable graceful shutdown during extended power outages. This software communicates with the UPS via the Network Management Card.

4. OPERATING THE UPS

Once installed and connected, the UPS operates automatically to provide continuous power protection. The front panel display provides real-time status and configuration options.

4.1 Front Panel Display

The LCD display on the front panel provides critical information about the UPS status, input/output voltage, load, battery charge, and runtime. Use the navigation buttons to access different menus and settings.



Figure 4.1: Close-up view of the APC Smart-UPS SRT 5000VA front panel display, showing operational status and runtime information.

4.2 Power Modes

The Smart-UPS SRT operates in various modes, including Online (double-conversion), Battery, and Bypass. The UPS automatically switches between modes as power conditions change.

4.3 Remote Monitoring and Management

Utilize the embedded Network Management Card to monitor the UPS remotely via a web browser, SNMP, or network management software. The UPS can also connect to EcoStruxure IT or other third-party centralized management platforms for comprehensive infrastructure monitoring.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliability of your UPS system.

- **Battery Replacement:** The UPS batteries have a finite lifespan. Monitor the battery status via the front panel or network management interface. Replace batteries as recommended by APC.
- **Environmental Checks:** Periodically check the installation environment to ensure it remains within recommended temperature and humidity ranges. Keep ventilation openings clear.
- **Firmware Updates:** Check the APC website for firmware updates for the UPS and Network Management Card to ensure optimal performance and security.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, contact APC technical support.

Problem	Possible Cause	Solution
UPS not turning on	No input power; UPS switch off; discharged batteries.	Check input power connection; ensure UPS is switched on; allow batteries to charge.
UPS beeping continuously	On battery power; overload condition; battery fault.	Check utility power; reduce load; check battery status.
"Overload" alarm	Connected equipment exceeds UPS capacity.	Disconnect non-essential equipment until load is within limits.

7. SPECIFICATIONS




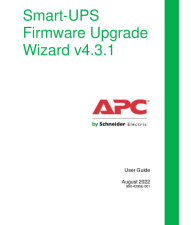
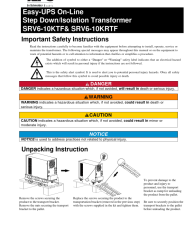
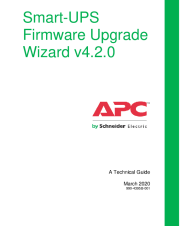
Feature	Detail
Model Number	SRT5KRMXLT-5KTF
Brand	APC
Capacity (VA/Watts)	5000VA / 4800W
Input Voltage	208V-240V
Input Connection	NEMA L6-30P
Output Voltage	120V (NEMA 5-20R), 208V (NEMA L6-20R, NEMA L6-30R)
Output Receptacles	12x NEMA 5-20R, 2x NEMA L6-20R, 2x NEMA L6-30R
Form Factor	5U Rackmount
Dimensions (H x W x D)	8.58 in x 17.01 in x 28.31 in (21.79 cm x 43.21 cm x 71.91 cm)
Weight	218 lb (98.9 kg)
Color	Black
Material	Metal

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official APC website. APC offers technical support and resources to assist with product installation, operation, and troubleshooting.

You can find additional support and product information by visiting the [APC Store on Amazon](#) or the official APC website.

Related Documents - SRT5KRMXLT-5KTF

	<p>Assigning IP Address to APC Network Management Card Without Software</p> <p>A technical guide detailing how to assign an IP address to an APC Network Management Card (NMC) using command-line tools like ARP and Ping, bypassing the need for proprietary APC software. This guide covers APC SmartUPS models and provides step-by-step instructions for network configuration.</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 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>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 Easy-UPS On-Line Step Down/Isolation Transformer SRV6-10KTF & SRV6-10KRTE User Manual</p> <p>This manual provides essential safety instructions, unpacking guidelines, specifications, installation procedures, troubleshooting tips, and service information for the APC Easy-UPS On-Line Step Down/Isolation Transformer models SRV6-10KTF and SRV6-10KRTE.</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>