

APC SMX2200RMLVUS

APC by Schneider Electric Smart-UPS SMX2200RMLVUS 2.2kVA UPS Instruction Manual

Model: SMX2200RMLVUS

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your APC by Schneider Electric Smart-UPS SMX2200RMLVUS. This Uninterruptible Power Supply (UPS) is designed to provide intelligent and efficient network power protection, making it ideal for supporting critical equipment such as servers, point-of-sale devices, routers, switches, and hubs.



Figure 1: APC Smart-UPS SMX2200RMLVUS 2.2kVA Tower/Rack Mountable UPS. This image displays the front view of the black UPS unit, featuring a perforated grille on the left and a digital display with control buttons on the right. Rack-mounting ears are visible on both sides.

2. SETUP AND INSTALLATION

Follow these steps to properly set up your UPS unit:

- Unpacking:** Carefully remove the UPS and all accessories from the packaging. Inspect for any shipping damage.
- Placement:** Position the UPS in a clean, dry, and temperature-controlled environment. Ensure adequate airflow around the unit. This model is designed for both tower and rack-mountable configurations.
- Battery Connection:** Connect the internal battery pack. Refer to the quick-start guide for specific instructions on connecting the battery terminals, as this may vary by unit.
- External Battery Packs (Optional):** If using external battery packs, ensure they are properly connected. The UPS features auto-recognition of external batteries, automatically adjusting runtime calculations.

- 5. **Connect to Utility Power:** Plug the UPS power cord into a grounded 120 Volt AC outlet. Avoid using extension cords.
- 6. **Connect Equipment:** Plug your critical equipment (servers, networking devices, etc.) into the output receptacles on the rear of the UPS. Ensure the total load does not exceed the UPS capacity.
- 7. **Initial Charge:** Allow the UPS to charge for at least 24 hours before connecting any critical loads to ensure full battery capacity.

3. OPERATION

Understanding the operational features of your Smart-UPS is crucial for optimal performance.

- **Power On/Off:** Use the power button on the front panel to turn the UPS on or off.
- **Audible Alarms:** The UPS provides audible alarms to notify you of changing utility power and UPS power conditions, such as battery mode, low battery, or overload. Consult the display for detailed information.
- **Automatic Voltage Regulation (AVR):** The Boost and Trim AVR feature corrects low and high voltage conditions without using battery power, extending battery life and ensuring stable power to connected equipment.
- **Cold-Start Capability:** In the event of a complete utility power outage, the UPS can provide temporary battery power to connected equipment, allowing for a graceful shutdown or brief operation.
- **Adjustable Voltage Sensitivity:** This feature allows you to adapt the UPS for optimal performance in specific power environments or when operating with a generator.
- **Adjustable Voltage-Transfer Points:** You can maximize useful battery life by widening the input voltage window or tightening the output voltage regulation, depending on your power quality needs.
- **Automatic Restart:** The UPS automatically starts up connected equipment upon the return of utility power after a shutdown.

4. MAINTENANCE

Regular maintenance ensures the longevity and reliability of your UPS.

- **Automatic Self-Test:** The UPS performs periodic battery self-tests to ensure early detection of a battery that needs replacement.
- **Battery Failure Notification:** The system provides early-warning fault analysis on batteries, enabling timely preventive maintenance and replacement.
- **Disconnected Battery Notification:** The UPS will warn you if a battery is not available to provide backup power, indicating a potential connection issue or a severely depleted battery.
- **Battery Replacement:** When the battery requires replacement, follow the instructions provided with the replacement battery kit. Always use genuine APC replacement batteries.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your UPS.

Problem	Possible Cause	Solution
UPS does not turn on	Battery not connected or discharged; No utility power.	Ensure battery is properly connected. Plug UPS into a live utility outlet and allow to charge.
UPS beeps continuously or frequently	Operating on battery; Low battery; Overload condition.	Check utility power. Allow battery to charge. Reduce connected load.

Problem	Possible Cause	Solution
Battery failure notification	Battery nearing end of life or faulty.	Replace the battery.
Disconnected battery notification	Internal or external battery connection issue.	Verify all battery connections are secure.

For more detailed troubleshooting, refer to the full product documentation or contact APC customer support.

6. SPECIFICATIONS

Key technical specifications for the APC Smart-UPS SMX2200RMLVUS:

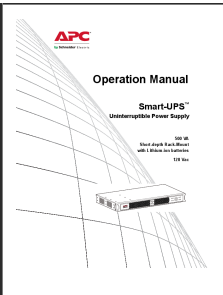
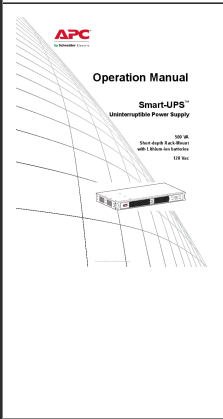
- **Model Number:** SMX2200RMLVUS
- **Brand:** APC by Schneider Electric
- **Product Dimensions:** 26.3"D x 17"W x 3.3"H (66.8 cm D x 43.2 cm W x 8.4 cm H)
- **Item Weight:** 84.8 pounds (38.5 kg)
- **Voltage:** 120 Volts
- **Battery Cell Composition:** Lead Acid
- **Color:** Black

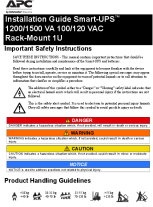



7. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official APC by Schneider Electric website or contact their customer service department.

You can find more information and support resources by visiting the [APC by Schneider Electric Store on Amazon](#).

Related Documents - SMX2200RMLVUS

	<p>APC Smart-UPS SCL500RM1UC/SCL500RM1UNC Operation Manual</p> <p>Comprehensive operation manual for APC Smart-UPS SCL500RM1UC and SCL500RM1UNC 500 VA 120V short-depth rack-mount uninterruptible power supplies, covering installation, safety, operation, configuration, and troubleshooting.</p>
	<p>APC Smart-UPS SCL500RM1UC/SCL500RM1UNC Operation Manual</p> <p>Operation manual for APC Smart-UPS SCL500RM1UC and SCL500RM1UNC 500 VA rack-mount uninterruptible power supplies with Lithium-ion batteries. Covers safety, installation, operation, configuration, troubleshooting, and warranty.</p>

	<p>APC Smart-UPS 1200/1500 VA Installation Guide</p> <p>This installation guide provides essential safety instructions and step-by-step procedures for installing APC Smart-UPS 1200/1500 VA Rack-Mount 1U units. Learn about product features, battery safety, and rack installation.</p>
	<p>APC Smart-UPS User Manual: 1000VA/1500VA, 750XL/1000XL Tower UPS</p> <p>Comprehensive user manual for APC Smart-UPS Tower models, covering installation, operation, configuration, troubleshooting, and regulatory information for uninterruptible power supplies.</p>
	<p>APC Smart-UPS C Operation Manual</p> <p>Operation manual for the APC Smart-UPS C series, covering installation, safety, specifications, and troubleshooting for 1000/1500 VA models.</p>
	<p>APC Easy UPS On-Line SRV Series Rack-Mount User Manual</p> <p>Comprehensive user manual for APC Easy UPS On-Line SRV Series Rack-Mount models (1000VA, 2000VA, 3000VA), covering safety, installation, operation, specifications, troubleshooting, and warranty information.</p>