

## APC SCL500RM1UC

# APC Smart-UPS 500VA Lithium Ion UPS Instruction Manual

Brand: APC | Model: SCL500RM1UC

## 1. INTRODUCTION

The APC Smart-UPS 500VA Lithium Ion UPS is designed to provide reliable power protection for networking equipment and point-of-sale (POS) devices. This Uninterruptible Power Supply (UPS) offers network-grade protection, hot-swappable batteries, and built-in data line protection to ensure continuous power and increased availability for your critical applications.

### Key Features:

- 500VA / 400W Sine Wave UPS battery backup for clean and consistent power.
- LED display provides clear indications for Online/On Battery status, SmartConnect status, Network status, Event Detected, and Replace Battery alerts.
- Input: NEMA 5-15P; Output: (4) NEMA 5-15R Nominal Input/Output Voltage: 120V. Cable Length: 6 ft.
- APC SmartConnect offers remote monitoring via a secure portal, providing automatic notifications, firmware updates, and advanced support services. A 6-month free trial of SmartConnect is available for units purchased and/or registered after August 1, 2023.
- 1U Rackmount UPS design, including rack mounting support rails for flexible installation.



Figure 1: Front view of the APC Smart-UPS 500VA Lithium Ion UPS.

## 2. SETUP AND INSTALLATION

### 2.1 Unpacking and Inspection

Carefully unpack the UPS and inspect it for any shipping damage. Retain the packaging for future use. Ensure all components listed in the packing list are present.

## 2.2 Placement

The Smart-UPS SCL500RM1UC is a 1U rackmount unit. It is suitable for short-depth and standard wall mount racks or IT racks. Ensure adequate ventilation around the unit.



Figure 2: Angled view of the UPS, demonstrating its compact rackmount design.

## 2.3 Rack Mounting

Utilize the included rack mounting support rails to securely install the UPS into a standard 19-inch rack. Follow the instructions provided with the rail kit for proper installation.

## 2.4 Connecting to Power and Devices

Connect the UPS to a grounded electrical outlet using the integrated NEMA 5-15P input plug. Connect your critical equipment to the four NEMA 5-15R output receptacles on the rear of the UPS. Ensure total load does not exceed 400W.



Figure 3: Rear view of the UPS, highlighting the NEMA 5-15R output receptacles and NEMA 5-15P input.

## 2.5 Initial Battery Charge

Allow the UPS to charge for at least 24 hours before initial use to ensure full battery capacity. The battery charges whenever the UPS is connected to AC power.

# 3. OPERATING THE UPS

## 3.1 Powering On/Off

To power on the UPS, press the power button on the front panel. To power off, press and hold the power button until the unit shuts down.

## 3.2 LED Indicators

The front LED display provides real-time status information:

- **Online/On Battery:** Indicates whether the UPS is operating on utility power or battery power.
- **SmartConnect Status:** Shows the status of the remote monitoring connection.
- **Network Status:** Indicates network connectivity.
- **Event Detected:** Alerts to specific events or issues.
- **Replace Battery:** Illuminates when the battery needs replacement.

### 3.3 SmartConnect Remote Monitoring

The APC SmartConnect feature allows for remote monitoring of your UPS. Connect the UPS to your network via the dedicated SmartConnect port. Register your device through the secure portal to receive automatic notifications, firmware updates, and access advanced support services. For detailed setup, refer to the SmartConnect documentation available on the APC website.

### 3.4 PowerChute Software

For enhanced management and graceful shutdown capabilities, download and install the APC PowerChute Software Business Edition. This software provides additional control and monitoring features for your UPS and connected devices.

## 4. MAINTENANCE

### 4.1 Battery Care and Replacement

The Smart-UPS SCL500RM1UC utilizes Lithium Ion batteries, which offer a longer lifespan compared to traditional lead-acid batteries. The UPS features hot-swappable batteries, allowing for replacement without powering down connected equipment. When the "Replace Battery" LED illuminates, it indicates that the battery needs to be replaced. Contact APC support or an authorized service provider for genuine replacement batteries.

The UPS and its battery are covered by a 5-year warranty.

### 4.2 General Cleaning

Keep the UPS clean and free from dust. Use a dry cloth to wipe down the exterior. Do not use liquid cleaners or solvents.

## 5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your APC Smart-UPS. For more detailed troubleshooting, refer to the comprehensive user guide available on the APC website.

Problem	Possible Cause	Solution
UPS does not turn on.	Not connected to AC power; Battery not connected or discharged.	Ensure the UPS is securely plugged into a live, grounded outlet. Allow the battery to charge for 24 hours. Verify battery connections.
UPS beeps continuously.	On battery power; Overload condition.	This is normal during a power outage. If not a power outage, reduce the load on the UPS.
"Replace Battery" LED is lit.	Battery nearing end of life.	Replace the battery. Contact APC support for genuine replacement options.
SmartConnect not connecting.	Network issue; Incorrect registration.	Check network cable and connectivity. Ensure proper registration on the SmartConnect portal.

If the problem persists after attempting these solutions, please contact APC Technical Support.

## 6. SPECIFICATIONS

Attribute	Value
Brand	APC
Model Number	SCL500RM1UC

Attribute	Value
Capacity	500VA / 400W
Input Voltage	120V
Output Voltage	120V
Input Connection	NEMA 5-15P
Output Connections	(4) NEMA 5-15R
Battery Type	Lithium Ion (4 Lithium Polymer batteries included)
Product Dimensions (D x W x H)	9.13 x 17.01 x 1.73 inches (9.13"D x 17.01"W x 1.73"H)
Item Weight	9.26 pounds
Form Factor	1U Rackmount
First Available Date	July 8, 2019

## 7. WARRANTY AND SUPPORT

### 7.1 Product Warranty

The APC Smart-UPS SCL500RM1UC comes with a 5-year warranty covering both the UPS unit and its internal Lithium Ion battery. Please retain your proof of purchase for warranty claims.

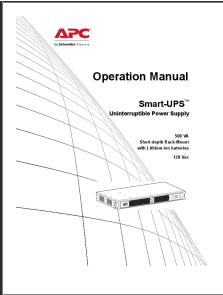
### 7.2 Technical Support

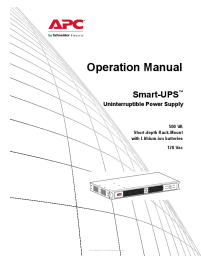
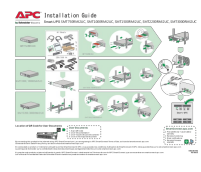
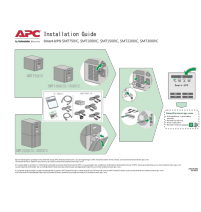
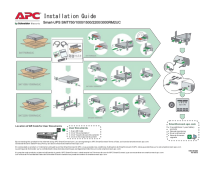
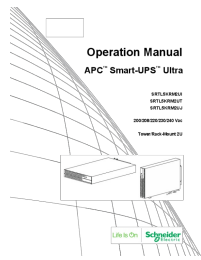
For technical assistance, troubleshooting, or warranty inquiries, please visit the official APC by Schneider Electric website or contact their customer support. You can also refer to the comprehensive [User Guide \(PDF\)](#) for detailed information.

For SmartConnect related support, utilize the secure portal for notifications and advanced services. Remember, the SmartConnect feature is offered as a 6-month free trial for units purchased and/or registered after August 1, 2023.

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### Related Documents - SCL500RM1UC

	<p><a href="#">APC Smart-UPS SCL500RM1UC/SCL500RM1UNC Operation Manual</a></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>
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 <p>Operation Manual Smart-UPS™ Uninterruptible Power Supply</p> <p>500 VA Three-Phase Line Voltage with Lithium-Ion Batteries 120 VAC</p>	<p><a href="#">APC Smart-UPS SCL500RM1UC/SCL500RM1UNC Operation Manual</a></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 Installation Guide Smart-UPS SMT750RM2UC, SMT1000RM2UC, SMT1500RM2UC, SMT2200RM2UC, SMT3000RM2UC</p>	<p><a href="#">APC Smart-UPS Installation Guide: SMT750RM2UC to SMT3000RM2UC</a></p> <p>This guide provides installation instructions for APC Smart-UPS models SMT750RM2UC, SMT1000RM2UC, SMT1500RM2UC, SMT2200RM2UC, and SMT3000RM2UC. It covers rack mounting, connections, and SmartConnect setup.</p>
 <p>APC Installation Guide Smart-UPS SMT750IC, SMT1000IC, SMT1500IC, SMT2200IC, SMT3000IC</p>	<p><a href="#">APC Smart-UPS Installation Guide for SMT750IC, SMT1000IC, SMT1500IC, SMT2200IC, SMT3000IC</a></p> <p>This installation guide provides instructions for setting up APC Smart-UPS models SMT750IC, SMT1000IC, SMT1500IC, SMT2200IC, and SMT3000IC. It covers connecting the UPS, power cords, and information about the SmartConnect feature.</p>
 <p>APC Installation Guide Smart-UPS SMT750RM2UC, SMT1000RM2UC, SMT1500RM2UC, SMT2200RM2UC, SMT3000RM2UC</p>	<p><a href="#">APC Smart-UPS SMT750-3000RM2UC Installation Guide   Schneider Electric</a></p> <p>Comprehensive installation guide for APC Smart-UPS SMT750, SMT1000, SMT1500, SMT2200, and SMT3000RM2UC rackmount UPS models. Learn how to unpack, install, and connect your UPS.</p>
 <p>Operation Manual APC® Smart-UPS® Ultra</p> <p>SRTL5KRM2UI SRTL5KRM2UT SRTL5KRM2UJ</p> <p>2000VA (2000W) 120V Three-Phase (3000W) 208V</p> <p>Life is On. Schneider</p>	<p><a href="#">APC Smart-UPS Ultra Operation Manual</a></p> <p>Operation manual for the APC Smart-UPS Ultra series, covering installation, safety, specifications, operation, and troubleshooting for models SRTL5KRM2UI, SRTL5KRM2UT, and SRTL5KRM2UJ.</p>