

## APC SMT1500RMI2UC

# APC SMT1500RMI2UC Line-Interactive 1500VA UPS User Manual

Model: SMT1500RMI2UC

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your APC SMT1500RMI2UC Line-Interactive 1500VA Uninterruptible Power Supply (UPS). The UPS is designed to protect your electronic equipment from power outages, surges, and sags, ensuring continuous power and data integrity. Please read this manual thoroughly before installation and use.

## 2. SAFETY INFORMATION

### **WARNING: Risk of Electric Shock or Explosion**

- This UPS contains internal batteries that may present a shock hazard even when disconnected from the utility power.
- Servicing of batteries should be performed or supervised by personnel knowledgeable about batteries and the required precautions.
- Do not dispose of batteries in a fire. Batteries may explode.
- Do not open or mutilate batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.
- Ensure proper grounding of the UPS and connected equipment.
- Do not operate the UPS in direct sunlight, in contact with fluids, or where there is excessive dust or humidity.

## 3. PRODUCT OVERVIEW

### 3.1 Front Panel



Figure 3.1: Front view of the APC SMT1500RMI2UC UPS, showing the LCD display and control buttons.

The front panel features an intuitive LCD display and control buttons for monitoring UPS status, configuring settings, and performing self-tests. The display provides real-time information on load, battery charge, and operational status.



Figure 3.2: Close-up of the UPS LCD display, indicating 0% load and 100% battery charge.

### 3.2 Rear Panel

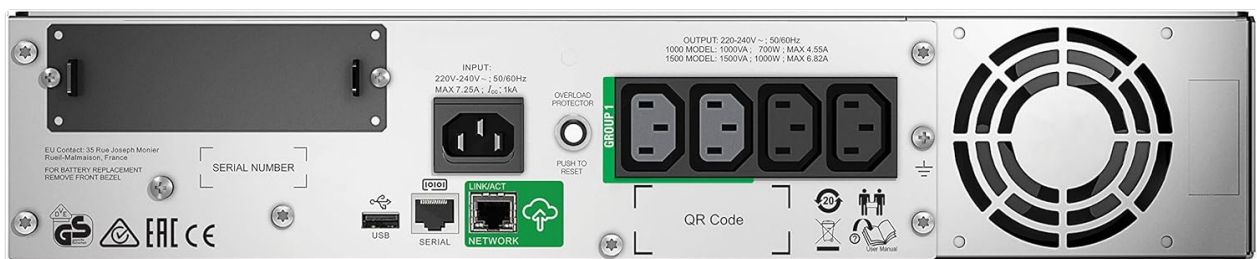


Figure 3.3: Rear view of the UPS, highlighting the input power connector, six IEC-C13 output outlets, communication ports, and battery connector.

The rear panel includes the main power input, six IEC-C13 output outlets for connecting protected equipment, and various communication ports. An overload protector button is also present for resetting in case of an electrical overload.

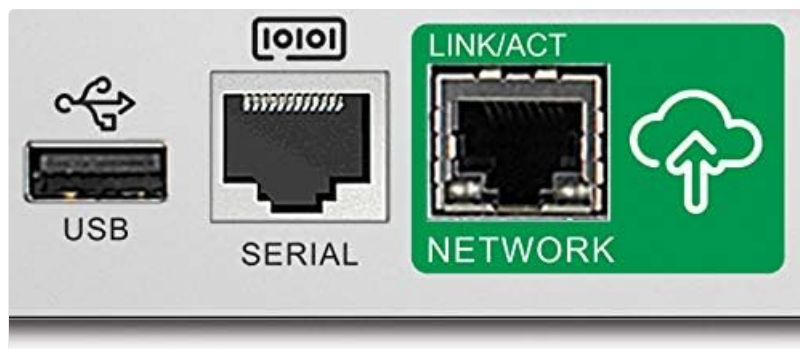


Figure 3.4: Detailed view of the USB, Serial, and Network (SmartConnect) communication ports.

### 3.3 SmartConnect Feature

The APC SMT1500RMI2UC features SmartConnect, allowing for cloud-based remote monitoring and management of your UPS. This enables you to receive alerts, monitor status, and perform basic management tasks from any web-enabled device.

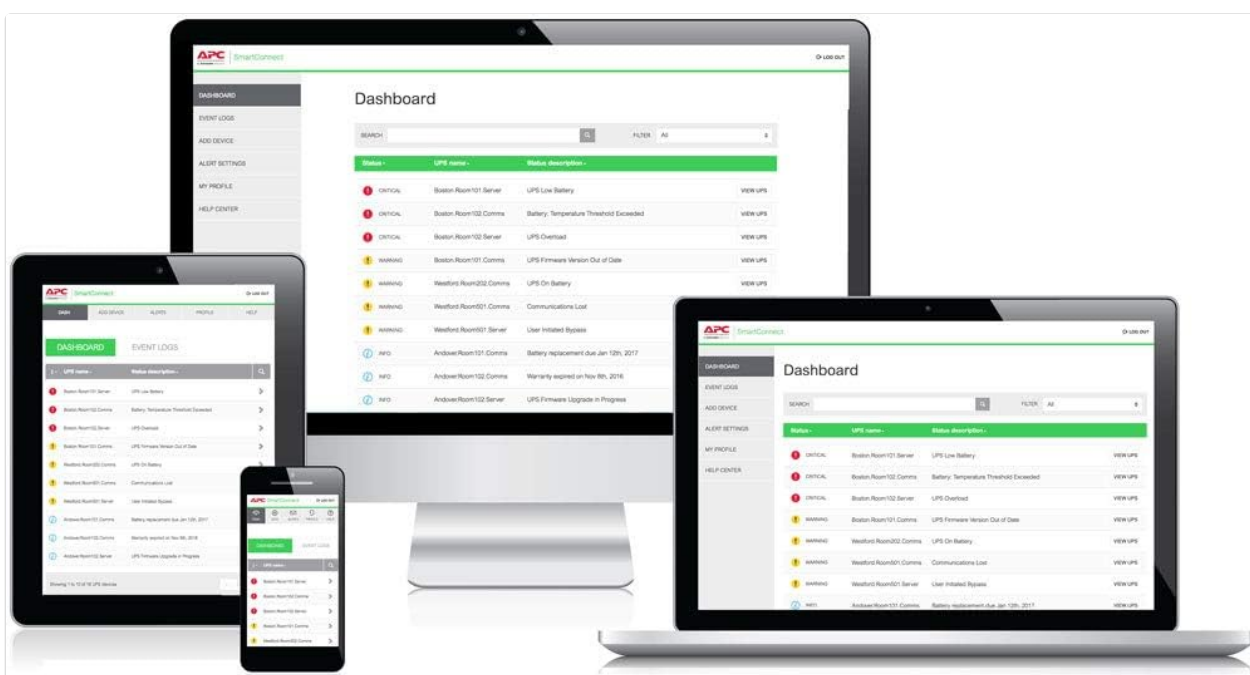


Figure 3.5: The APC SmartConnect dashboard accessible across various devices for remote monitoring.

Video 3.1: Overview of APC Smart-UPS SMT with SmartConnect

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This video provides a brief introduction to the APC Smart-UPS SMT series, highlighting the SmartConnect feature, available models, and key functionalities like firmware upgrade alerts and intuitive LCD interface.

## 4. SETUP

### 4.1 Unpacking and Inspection

Carefully unpack the UPS and inspect it for any shipping damage. Report any damage to the carrier and your dealer. Retain the packing materials for future use.

### 4.2 Battery Connection

The UPS is shipped with the internal battery disconnected for safety. Before initial use, connect the battery according to the instructions provided in the quick start guide or on the unit itself. This typically involves pulling out the battery tray, rotating the battery, and pushing it back in until it clicks into place.

### 4.3 Placement and Mounting

The SMT1500RMI2UC is designed for rack-mount installation. Ensure adequate ventilation around the unit. Avoid placing the UPS near heat sources or in areas with excessive dust or moisture.



Figure 4.1: The UPS securely installed within a standard server rack.

### 4.4 Connecting Equipment

1. Connect the UPS to a properly grounded utility power outlet using the provided power cord.
2. Connect your critical equipment (servers, network devices, etc.) to the IEC-C13 output outlets on the rear of the UPS. Ensure the total load does not exceed the UPS's capacity.
3. For remote monitoring, connect an Ethernet cable from your network to the SmartConnect network port on the rear panel.

### 4.5 Initial Power-Up

Press the power button on the front panel to turn on the UPS. The LCD display will illuminate, and the UPS will perform a self-test. Allow the UPS to charge for at least 24 hours before relying on its full battery runtime capacity.

## 5. OPERATION

### 5.1 Powering On/Off

- **To Power On:** Press and hold the power button until the display illuminates.
- **To Power Off:** Press and hold the power button until the display turns off.

## 5.2 LCD Display and Navigation

The LCD display provides real-time status information. Use the navigation buttons (up, down, enter, escape) to browse through menus, view detailed information, and adjust settings such as output voltage, alarm thresholds, and self-test schedules.

## 5.3 Automatic Voltage Regulation (AVR)

The UPS features Automatic Voltage Regulation (AVR) to correct minor voltage fluctuations without switching to battery power. This extends battery life and ensures a stable power supply to connected equipment.

## 5.4 Green Mode

The Green Mode feature optimizes UPS efficiency by bypassing the AVR when utility power is stable, reducing energy consumption and heat generation. The UPS automatically switches to AVR or battery mode when power conditions require it.

## 5.5 SmartConnect Monitoring

Once connected to your network, register your UPS with the APC SmartConnect portal. This allows you to monitor the UPS status, receive email alerts for critical events, and perform remote diagnostics via a secure web interface or mobile application.

# 6. MAINTENANCE

## 6.1 Battery Care and Replacement

The internal battery has a typical lifespan of 3-5 years. Regular self-tests help monitor battery health. When the battery needs replacement, the UPS will indicate this on the LCD and via SmartConnect. Replace batteries with APC-approved replacement battery cartridges (RBCs) to ensure optimal performance and safety.

## 6.2 Firmware Updates

Periodically check for firmware updates through the SmartConnect portal or APC's website. Firmware updates can provide performance enhancements, bug fixes, and new features. Follow the provided instructions carefully when performing updates.

## 6.3 Cleaning

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

# 7. TROUBLESHOOTING

If you encounter issues with your UPS, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
UPS does not turn on	Battery not connected; No utility power; Faulty power cord	Ensure battery is connected; Check utility power; Verify power cord connection.
UPS beeps frequently	On battery power; Low battery; Overload	Check utility power; Allow battery to charge; Reduce connected load.

Problem	Possible Cause	Solution
Overload indicator on	Too much equipment connected	Disconnect non-essential equipment; Press the overload protector reset button on the rear panel.
Battery needs replacement	Battery has reached end of life	Order and install a new APC replacement battery cartridge.

For more detailed troubleshooting, consult the full product documentation available on the APC website or through the SmartConnect portal.

## 8. SPECIFICATIONS

Key technical specifications for the APC SMT1500RMI2UC UPS:

- **Model:** SMT1500RMI2UC
- **Capacity:** 1500VA / 1000W
- **Input Voltage:** 230 Volts
- **Output Outlets:** 6 x IEC-C13
- **Dimensions (H x W x D):** 3.39 x 17.01 x 18.78 inches (8.6 x 43.2 x 47.7 cm)
- **Item Weight:** 57.2 pounds (26 Kilograms)
- **Battery Type:** 1 x A battery (included)
- **Communication Ports:** USB, Serial, Network (SmartConnect)
- **Color:** Black
- **Date First Available:** April 3, 2018

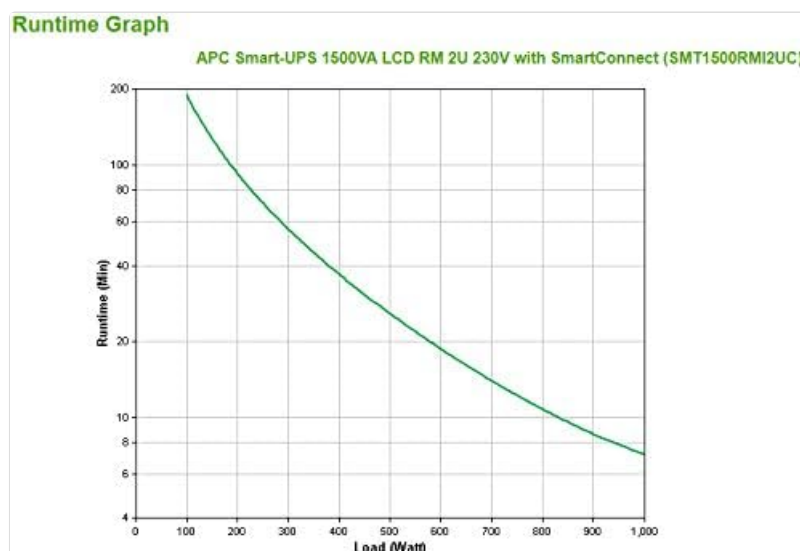


Figure 8.1: Runtime graph illustrating the estimated battery backup time based on connected load for the SMT1500RMI2UC model.

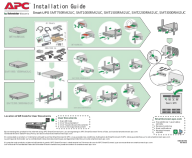


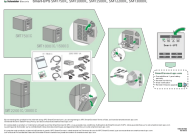
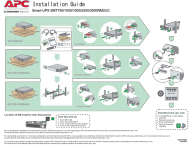
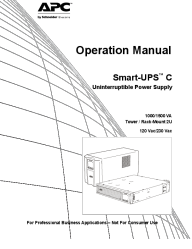
## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official APC by Schneider Electric website or contact their customer service. Keep your purchase receipt and product serial number handy when contacting support.

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



## Related Documents - SMT1500RMI2UC

	<p><a href="#">APC Smart-UPS Installation Guide: SMT750RMI2UC to SMT3000RMI2UC</a></p> <p>This guide provides installation instructions for APC Smart-UPS models SMT750RMI2UC, SMT1000RMI2UC, SMT1500RMI2UC, SMT2200RMI2UC, and SMT3000RMI2UC. It covers rack mounting, connections, and SmartConnect setup.</p>
	<p><a href="#">APC Smart-UPS Operation Manual: Installation, Safety, and Troubleshooting Guide</a></p> <p>Official operation manual for APC Smart-UPS Uninterruptible Power Supply (UPS) units. Covers installation, safety, operation, configuration, and troubleshooting for models like SMT series. Provides essential power protection guidance.</p>
	<p><a href="#">APC Smart-UPS User Manual: 1000VA/1500VA, 750XL/1000XL Tower UPS</a></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><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><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><a href="#">APC Smart-UPS C Operation Manual</a></p> <p>Operation manual for the APC Smart-UPS C series, covering installation, safety, specifications, and troubleshooting for 1000/1500 VA models.</p>