

## APC SMT3000RM2U

# APC Smart-UPS RM SMT3000RM2U User Manual

Model: SMT3000RM2U

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your APC Smart-UPS RM SMT3000RM2U Uninterruptible Power Supply (UPS) system. Please read this manual thoroughly before installation and use.

The APC Smart-UPS RM SMT3000RM2U is designed to provide reliable power protection for your critical electronic equipment, ensuring continuous operation during power outages, sags, surges, and other power disturbances. It features a 2700W/3000VA capacity, 2U rack-mount design, and a 120V LCD interface for easy monitoring and control.



Figure 1: Front view of the APC Smart-UPS RM SMT3000RM2U UPS system, showing the LCD display and ventilation grilles.

## 2. SAFETY INFORMATION

**WARNING: Risk of Electric Shock. Do not open the UPS unit. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.**

Observe the following safety precautions during installation and operation:

- This UPS is designed for indoor use only.
- Do not operate this UPS in direct sunlight, in contact with fluids, or where there is excessive dust or humidity.
- Ensure proper grounding. The UPS must be connected to a grounded AC power outlet.
- The UPS contains internal batteries that can present a risk of electric shock even when disconnected from the AC power source.

- Always disconnect the UPS from the power source before performing any maintenance or service.
- The input connection for this UPS is a NEMA L5-30P. Ensure your electrical installation can accommodate this plug type.

### 3. PACKAGE CONTENTS

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Verify that all components are present upon unpacking. If any items are missing or damaged, contact your dealer or APC customer service.

- APC Smart-UPS RM SMT3000RM2U UPS Unit
- Rack-mounting hardware
- Documentation CD
- USB communication cable
- Serial communication cable
- Network Management Card (if included with specific model variant)

### 4. SETUP

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#### 4.1 Physical Installation

The SMT3000RM2U is a 2U rack-mount unit. It is heavy (97.4 pounds), so ensure adequate support and use proper lifting techniques or assistance during installation.

1. **Rack Mounting:** Secure the UPS in a standard 19-inch equipment rack using the provided rack-mounting hardware. Ensure the rack can support the weight of the UPS.
2. **Ventilation:** Allow adequate space around the unit for proper ventilation. Do not block the ventilation openings.

#### 4.2 Electrical Connection

The UPS requires a dedicated 120V, 30A circuit with a NEMA L5-30P receptacle. Consult a qualified electrician if your facility does not have the appropriate outlet.

1. Connect the UPS input power cord to the dedicated 120V, 30A NEMA L5-30R wall outlet.
2. Connect your equipment to the UPS output receptacles. The UPS has 6x NEMA 5-15R and 2x NEMA 5-20R outlets. Do not overload the UPS.

#### 4.3 Initial Startup

1. After connecting the input power and equipment, press the power button on the front panel to turn on the UPS.
2. The LCD display will illuminate and show startup information.
3. Allow the batteries to charge for at least 24 hours before connecting critical loads or performing a self-test to ensure maximum runtime.

### 5. OPERATING THE UPS

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#### 5.1 Front Panel LCD Display

The LCD display provides real-time information about the UPS status, load, battery charge, and various settings. Use the navigation buttons (Esc, Up, Down, Enter) to browse menus and adjust settings.

- **Status Screen:** Displays current operating mode (Online, On Battery), input/output voltage, load percentage, and battery charge level.
- **Configuration Menu:** Allows adjustment of settings such as output voltage, sensitivity, alarm options, and self-test initiation.
- **Logs:** View event logs and historical data.

## 5.2 Power Management Software

For advanced monitoring and management, install the APC PowerChute™ software on a connected computer. This software enables graceful shutdown of connected equipment during extended power outages, remote monitoring, and detailed power analysis.

- Connect the UPS to your computer using the provided USB or serial cable.
- Install the PowerChute software from the documentation CD or download the latest version from the APC website.

## 6. MAINTENANCE

The APC Smart-UPS RM SMT3000RM2U is designed for minimal maintenance. However, regular checks ensure optimal performance and longevity.

- **Battery Replacement:** The internal batteries are sealed lead-acid and are user-replaceable. The typical battery life is 3-5 years, depending on environmental conditions and usage. Replace batteries when the UPS indicates a battery fault or when runtime significantly decreases. Refer to the battery replacement instructions provided with the replacement battery kit.
- **Environmental Conditions:** Keep the UPS in a clean, cool, and dry environment. Avoid extreme temperatures and high humidity, which can shorten battery life.
- **Self-Test:** Perform a self-test periodically (e.g., monthly) via the LCD display or PowerChute software to verify battery and UPS functionality.
- **Cleaning:** Keep the ventilation openings clear of dust and debris. Use a dry cloth to clean the exterior of the unit. Do not use liquid cleaners.

## 7. TROUBLESHOOTING

This section provides solutions to common issues. For more complex problems, contact APC technical support.

Problem	Possible Cause	Solution
UPS does not turn on.	No input power; Battery not connected or discharged.	Check input power connection and wall outlet. Ensure batteries are properly connected and allow to charge.
UPS beeps continuously.	UPS is on battery power; Overload condition.	Restore utility power. Reduce connected load.
"Site Wiring Fault" indicator is lit.	Wiring problem in the building's electrical system.	Consult a qualified electrician to inspect the building wiring.
Short battery runtime.	Batteries are old or not fully charged; Overload.	Allow batteries to charge for 24 hours. Replace batteries if they are old. Reduce connected load.

## 8. SPECIFICATIONS


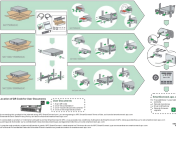
Feature	Detail
Model	SMT3000RM2U
Output Power Capacity	2700 Watts / 3000 VA
Nominal Output Voltage	120 V
Waveform Type	Sine wave
Output Connections	6x NEMA 5-15R; 2x NEMA 5-20R
Nominal Input Voltage	120 V
Input Frequency	50/60 Hz +/- 3Hz (auto sensing)
Input Connections	NEMA L5-30P
Battery Type	Maintenance-free sealed Lead-Acid battery
Typical Recharge Time	3 hours
Interface Ports	USB, Smart Slot
Product Dimensions (H x W x D)	3.39 x 18.9 x 26.89 inches (8.6 x 48 x 68.3 cm)
Item Weight	97.4 pounds (44.18 kg)
Audible Noise at 1 meter	55 dBA
Regulatory Approvals	CSA, FCC Part 15 Class A, UL 1778

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official APC website. You can also contact APC customer service directly for assistance with product registration, troubleshooting, and service requests.

**Online Resources:**

- Official APC Website: [www.apc.com](http://www.apc.com)
- User Manual (PDF): [Download PDF](#)
- Installation Manual (PDF): [Download PDF](#)

 <p>The image shows the front cover of the APC Smart-UPS User Manual. It features the APC logo at the top, followed by 'User's Manual' and 'English'. The main title is 'APC Smart-UPS®', with '1000VA/1500VA, 750XL/1000XL Tower UPS' listed below. The bottom of the cover has the Schneider Electric logo.</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>The image shows the front cover of the APC Smart-UPS Ultra User Manual. It features the APC logo at the top, followed by 'User Manual' and 'English'. The main title is 'APC Smart-UPS® Ultra', with 'Uninterruptible Power Supply' listed below. The bottom of the cover has the Schneider Electric logo.</p>	<p><a href="#">APC Smart-UPS Ultra User Manual</a></p> <p>User manual for the APC Smart-UPS Ultra, covering installation, operation, safety, and specifications for models SRTL3KRM1UC, SRTL3KRM1UNC, SRTL2K2RM1UC, and SRTL2K2RM1UNC.</p>
 <p>The image shows a technical specifications sheet for the APC Smart-UPS SRT 10000VA 208V. It includes a table with various specifications such as Output Voltage, Output Power, Input Voltage, and more. The Schneider Electric logo is at the bottom.</p>	<p><a href="#">APC Smart-UPS SRT 10000VA 208V Technical Specifications</a></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>The image shows the cover of the APC Smart-UPS Installation Guide for SMT750RM2UC to SMT3000RM2UC. It features a diagram of a rackmount UPS unit and the Schneider Electric logo.</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>The image shows the cover of the APC Smart-UPS Installation Guide for SMT750IC, SMT1000IC, SMT1500IC, SMT2200IC, and SMT3000IC. It features a diagram of a rackmount UPS unit and the Schneider Electric logo.</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>The image shows the cover of the APC Smart-UPS SMT750-3000RM2UC Installation Guide. It features a diagram of a rackmount UPS unit and the Schneider Electric logo.</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>