

APC SMTL3000RMUCNC

APC Smart-UPS SMTL3000RMUCNC 3000VA Lithium Ion Rack Mount UPS User Manual

Model: SMTL3000RMUCNC

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your APC Smart-UPS SMTL3000RMUCNC 3000VA Lithium Ion Rack Mount Uninterruptible Power Supply (UPS). This UPS is designed to protect networking equipment and point-of-sale (POS) devices from power disturbances and outages, offering network-grade protection, hot-swappable Lithium Ion batteries, and built-in data line protection. This model includes an integrated Network Management Card (NMC) for enhanced monitoring and control.

Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

Observe the following safety precautions during installation, operation, and maintenance of the UPS:

- **Electrical Safety:** Connect the UPS to a grounded outlet only. Do not remove the grounding prong.
- **Battery Safety:** The UPS contains Lithium Ion batteries. Do not open or mutilate batteries. Released electrolyte is harmful to skin and eyes.
- **Installation Environment:** Install the UPS indoors in a controlled environment, away from excessive moisture, heat, or conductive contaminants.
- **Servicing:** Refer all servicing to qualified service personnel. There are no user-serviceable parts inside except for the battery module.
- **Weight:** The unit is heavy (77.7 pounds). Use proper lifting techniques or assistance during installation to prevent injury.

3. PACKAGE CONTENTS

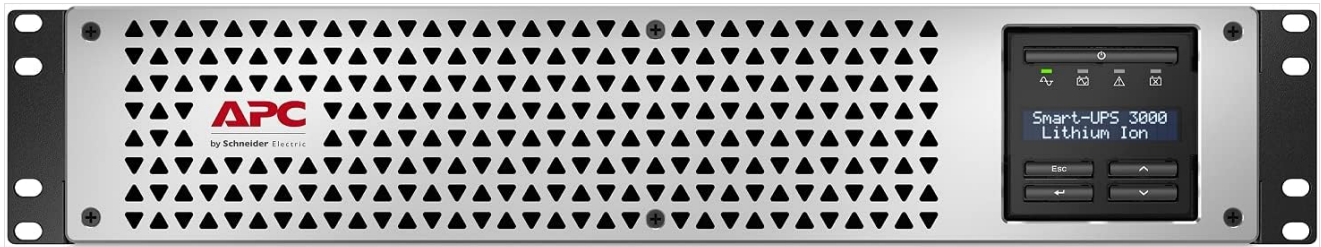
Verify that all items are present upon unpacking:

- APC Smart-UPS SMTL3000RMUCNC 3000VA Lithium Ion Rack Mount UPS Unit
- Integrated Network Management Card (NMC)
- Rack Mount Support Rails / Hardware Kit

- Power Cord (NEMA 5-20P)
- USB Communication Cable
- Serial Communication Cable

4. PRODUCT OVERVIEW

4.1 Front Panel



The front panel features the multi-function LCD status and control console, which displays operational status, battery information, network status, and event notifications. Navigation buttons allow users to access various menus and settings.

4.2 Rear Panel and Connections



The rear panel provides the input power connection (NEMA 5-20P), eight NEMA 5-15R output receptacles, and two NEMA 5-20R output receptacles. Communication ports include USB, serial, and an Ethernet port for the integrated Network Management Card. An Emergency Power Off (EPO) port is also available for remote shutdown.



This diagram illustrates the layout of the rear panel, highlighting the input and output power connections, communication ports (USB, Serial, Network), and the EPO terminal. Group 1 outlets are typically for critical loads.

5. SETUP

5.1 Rack Installation

The SMTL3000RMUCNC is a 2U rackmount UPS. Use the included rack mount support rails to secure the unit in a standard 19-inch equipment rack. Ensure adequate ventilation around the unit.



A technician is shown installing an APC Smart-UPS unit into a rack enclosure, demonstrating the typical setup for this type of equipment.

5.2 Initial Power-Up

1. Connect the UPS to a dedicated, grounded NEMA 5-20R wall outlet using the provided power cord.
2. Connect your equipment to the UPS output receptacles. Prioritize critical equipment on the designated outlets.
3. Press the power button on the front panel to turn on the UPS. The LCD will illuminate, and the UPS will perform a self-test.

5.3 Network Management Card (NMC) Configuration

The integrated NMC allows for remote monitoring and management. Connect an Ethernet cable from the NMC port to your network switch. The NMC will obtain an IP address via DHCP by default. Access the NMC's web interface using its IP address for advanced configuration.

6. OPERATING THE UPS

6.1 LCD Display and Controls

The multi-function LCD provides real-time information on UPS status, load, battery charge, and events. Use the navigation buttons (Esc, Enter, Up, Down) to browse menus, view detailed information, and adjust settings such as output voltage, alarm thresholds, and self-test schedules.

6.2 SmartConnect Remote Monitoring

The APC SmartConnect feature provides an easy-to-use remote monitoring portal. Register your UPS online to receive automatic notifications, firmware updates, and access advanced support services. This feature enhances proactive management of your UPS.

7. MAINTENANCE

7.1 Battery Maintenance

The SMTL3000RMUCNC uses long-life Lithium Ion batteries, which typically offer a longer lifespan compared to traditional lead-acid batteries. While these batteries are designed for extended use, regular self-tests (configurable via the LCD or NMC) help monitor their health. If a battery fault is indicated, contact APC support for guidance on replacement. The batteries are hot-swappable, allowing replacement without powering down connected equipment.

7.2 Cleaning

Periodically clean the exterior of the UPS with a dry cloth. Ensure ventilation openings are free from dust and debris to maintain proper airflow and cooling.

8. TROUBLESHOOTING

If you encounter issues with your UPS, refer to the following common troubleshooting steps:

- **UPS Not Turning On:** Verify the input power cord is securely connected to a live, grounded outlet. Check the circuit breaker.
- **Overload Alarm:** Reduce the total load connected to the UPS. Ensure the total wattage of connected equipment does not exceed the UPS capacity (2700W).
- **Battery Fault Indication:** Run a manual self-test. If the fault persists, the battery module may require attention. Contact APC support.
- **No Output Power:** Check if the UPS is in bypass mode or if the output circuit breakers have tripped.
- **Network Connectivity Issues:** Verify Ethernet cable connection, network settings on the NMC, and ensure the network port is active.

For more detailed troubleshooting and error code explanations, consult the comprehensive user guide available on the APC website or the PDF linked in the product documentation.

9. SPECIFICATIONS

Feature	Specification
Model Number	SMTL3000RMUCNC
Capacity	3000VA / 2700W
Input Voltage	120 Volts
Input Connection	NEMA 5-20P
Output Connections	(8) NEMA 5-15R, (2) NEMA 5-20R
Battery Type	Lithium Ion (1 battery required, included)

Feature	Specification
Form Factor	2U Rackmount
Product Dimensions (H x W x D)	3.39 x 17 x 26.89 inches
Item Weight	77.7 pounds
Network Management	Integrated Network Management Card (NMC) with SmartConnect
Waveform Type	Pure Sine Wave

10. WARRANTY AND SUPPORT

APC provides a standard warranty for this Smart-UPS unit. Specific warranty terms and conditions can be found on the official APC website or in the full user documentation. Lithium Ion batteries typically offer an extended lifespan, often exceeding 10 years under optimal conditions.

For technical support, warranty claims, or to access the complete user guide, please visit the official APC support website or refer to the PDF user guide: [APC Smart-UPS User Guide \(PDF\)](#).