APC SMT1000RMI2UC

APC Smart-UPS 1000VA LCD RM 2U 230V with SmartConnect User Manual

Model: SMT1000RMI2UC

INTRODUCTION

The APC Smart-UPS 1000VA LCD RM 2U 230V with SmartConnect is an intelligent and efficient Uninterruptible Power Supply (UPS) designed to provide reliable network power protection. It is ideal for safeguarding servers, point-of-sale systems, routers, switches, hubs, and other critical network devices from power interruptions and fluctuations. This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Smart-UPS unit.

KEY FEATURES

- **Cold-start capable:** Provides temporary battery power when the utility power is out.

- **Energy meter:** Displays actual kilowatt-hours of usage for energy monitoring.

- **Green mode:** Patent-pending operating mode that bypasses unused electrical components in good power conditions to achieve very high operating efficiency without sacrificing protection.

- **High online efficiency:** Reduces utility costs and generates less heat.

- **Intuitive LCD interface:** Provides clear and accurate information in multiple languages with local configuration capabilities.

- **Predictive replace battery date:** Dynamically provides the recommended month and year for battery replacement.

- **Pure sine wave output on battery:** Simulates utility power for compatibility with active PFC servers and sensitive electronics.

- **Single switched outlet group:** Allows for discrete reboot of hung devices, sequenced on/off, and non-critical load shedding.

- **SmartConnect:** Innovative remote monitoring feature providing automatic notifications, firmware updates, and advanced support services.

- **SmartSlot:** Customizes UPS capabilities with optional management cards.

SETUP AND INSTALLATION

Follow these steps to properly set up your APC Smart-UPS unit.

1. Unpacking and Inspection

Carefully remove the UPS from its packaging. Inspect the unit for any shipping damage. Retain the packaging for future use or transport.

Figure 1: Front view of the Smart-UPS unit, featuring the LCD panel and APC branding.

2. Battery Connection

Before initial use, the internal battery must be connected. Refer to the battery connector location on the rear panel and ensure it is securely plugged in. The UPS will not power on or provide backup power without the battery connected.
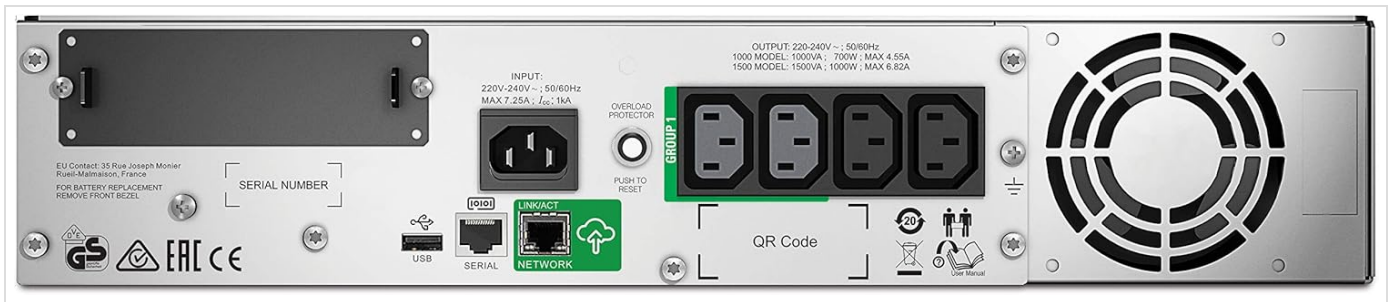

Figure 2: Rear panel of the Smart-UPS, highlighting various connection ports including the battery connector.

3. Power Connection

Connect the UPS to a grounded utility power outlet using the provided power cord. Connect your equipment to the output receptacles on the rear of the UPS. Ensure that the total load does not exceed the UPS's capacity (1000VA / 700W for this model).

4. Network and Communication Setup (SmartConnect)

The SmartConnect feature allows for remote monitoring and management. Connect an Ethernet cable from your network to the "NETWORK" port on the rear of the UPS. For local management, you can use the USB or Serial ports.

Figure 3: Detail of the communication ports on the rear panel, including the SmartConnect-enabled network port.

For an overview of the Smart-UPS SMT series and its SmartConnect capabilities, please watch the following video:

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Video 1: Overview of APC Smart-UPS SMT features, including SmartConnect capabilities. This video highlights the key functionalities and

OPERATING THE SMART-UPS

Once installed, the Smart-UPS operates automatically. The LCD interface provides real-time status and allows for configuration adjustments.

LCD Interface

The intuitive LCD display provides critical information such as load percentage, battery charge level, input/output voltage, and various status indicators. Use the navigation keys to scroll through menus and configure settings.

Figure 4: The LCD interface showing current load and battery status.

Green Mode Operation

The Smart-UPS features a "Green mode" to maximize efficiency. In this mode, the UPS bypasses internal components when utility power is stable, reducing energy consumption and heat generation without compromising protection.

Pure Sine Wave Output

When operating on battery power, the UPS provides a pure sine wave output. This ensures compatibility with sensitive electronic equipment and servers that require a clean, stable power source.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Smart-UPS.

Battery Replacement

The UPS will provide a predictive battery replacement date on its LCD and through SmartConnect. Replace batteries as

recommended to maintain optimal runtime and protection. Refer to the service manual for detailed battery replacement procedures.

Firmware Updates

SmartConnect can provide automatic notifications for available firmware updates. Keeping the firmware updated ensures your UPS has the latest features and security enhancements.
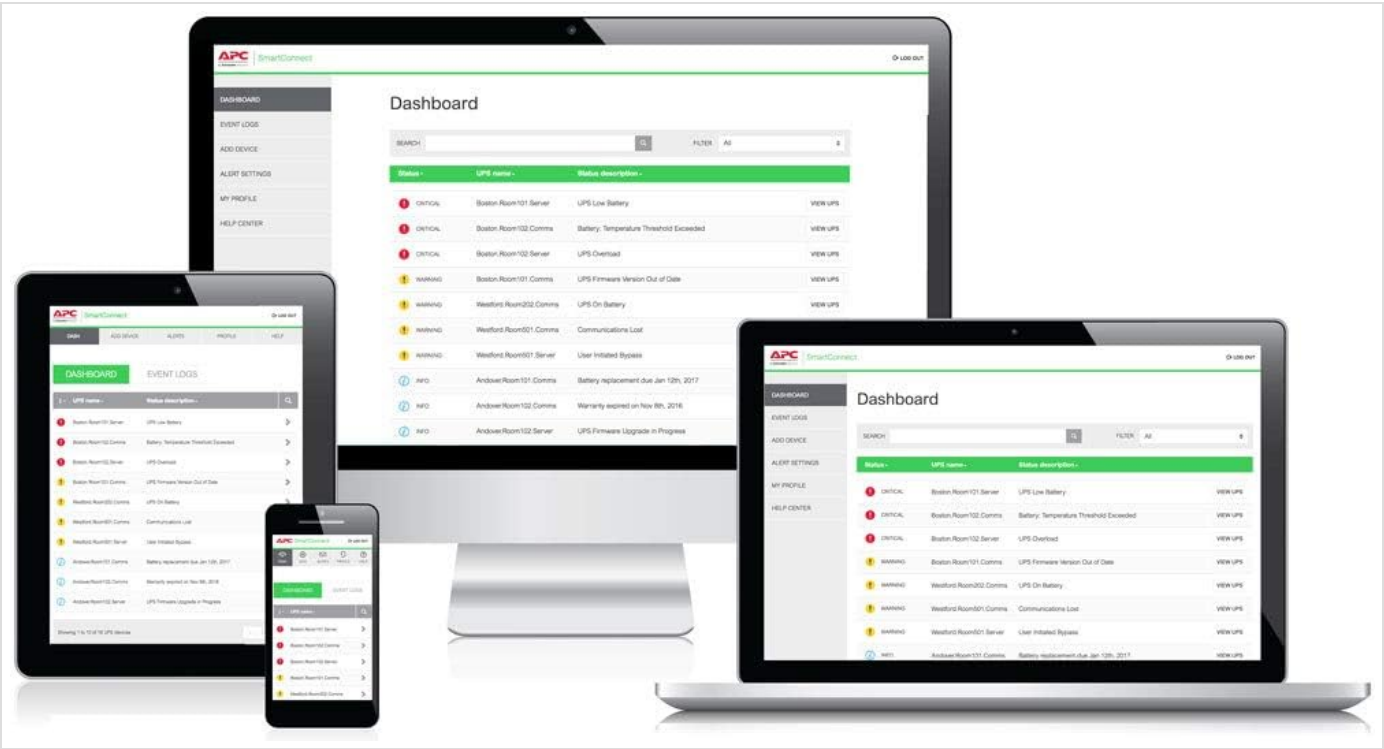

Figure 5: The SmartConnect dashboard provides remote monitoring and management capabilities across various devices.

TROUBLESHOOTING

This section provides guidance for common issues you might encounter.

Common Indicators and Solutions

- **UPS not turning on:** Ensure the battery connector is fully seated and the UPS is plugged into a live utility outlet.
- **Audible alarms:** Consult the LCD display for specific alarm codes or messages. Common alarms include "On Battery," "Overload," or "Battery Low." Address the underlying cause as indicated.
- **No network connectivity via SmartConnect:** Verify the Ethernet cable connection. Check network settings on the UPS LCD and ensure your network allows outbound connections for SmartConnect services.
- **Missing serial number/QR code:** If the physical labels are missing, contact APC customer support with proof of purchase for assistance with registration and service.

For more detailed troubleshooting, refer to the comprehensive user manual available on the APC website or contact technical support.

SPECIFICATIONS

Detailed technical specifications for the APC Smart-UPS 1000VA LCD RM 2U 230V (Model: SMT1000RMI2UC).

Attribute	Value
Product Dimensions	18.78 x 17.01 x 3.39 inches (47.7 x 43.2 x 8.6 cm)

Attribute	Value
Item Weight	49.8 pounds (22.6 kg)
Model Number	SMT1000RMI2UC
Batteries	1 Product Specific battery (included)
Voltage	230 Volts
Color	Black
Battery Cell Composition	Lead Acid
Manufacturer	Apc
First Available Date	April 2, 2018

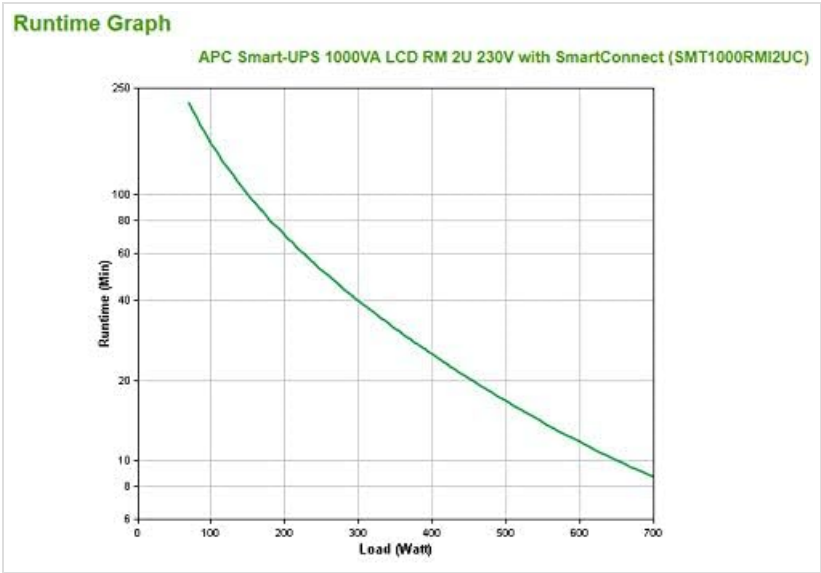For detailed runtime information based on load, refer to the runtime graph below:

Figure 6: Runtime graph illustrating the estimated backup time at various load levels.

WARRANTY AND SUPPORT

APC products are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official APC website. For technical support, product registration, or service inquiries, please contact APC customer support through their official channels.

- **Online Support:** Visit the APC by Schneider Electric website for FAQs, documentation, and support resources.
- **Customer Service:** Contact information for customer service can typically be found on the APC website or in the product packaging.