**APC SMT1000I**

# APC Smart-UPS SMT1000I 1000VA/670W Uninterruptible Power Supply User Manual

## INTRODUCTION

The APC Smart-UPS SMT series provides reliable battery backup power and surge protection, making it ideal for safeguarding servers, network switches, and other critical network devices. The SMT1000I model offers a maximum output power of 1000 VA / 670 Watts, delivering pure sine wave output on battery power to ensure compatibility with sensitive electronics. This unit features a robust tower design.

Key features include a switchable outlet group for individual load management, a SmartSlot for optional network management cards, and an intuitive LCD interface that provides clear, real-time status information and access to configuration settings in multiple languages. The package includes the Smart-UPS SMT unit, a user manual, a USB cable, and PowerChute shutdown software.

## SETUP

### 1. Unpacking and Inspection

Carefully unpack the UPS and inspect it for any signs of shipping damage. Report any damage to the carrier and your dealer.

### 2. Battery Connection

The UPS battery may be disconnected for shipping. Locate the battery disconnect connector on the rear panel and push it firmly into the UPS until it clicks into place. This ensures the battery is properly connected for operation.

### 3. Placement

Place the UPS in a location with adequate airflow, away from excessive heat, direct sunlight, or moisture. Ensure the ambient temperature is within the recommended operating range (0°C to 40°C).

### 4. Connecting Equipment

Connect your critical electronic equipment (e.g., servers, computers, monitors, network devices) to the eight IEC-C13 outlets located on the rear of the UPS. Ensure the total load connected to the UPS does not exceed its maximum capacity of 1000 VA / 670 Watts.

The rear panel of the APC Smart-UPS SMT1000I is shown, featuring eight IEC-C13 output receptacles for connecting protected equipment, an IEC-C14 input for utility power, a USB port, a UPS monitoring port (RJ45), and a battery disconnect connector. An overload protector and grounding screw are also visible.

## 5. Input Power Connection

Connect the UPS to a grounded wall outlet using the provided power cord. Avoid connecting the UPS to a surge protector or extension cord, as this can reduce its effectiveness.

## 6. USB/Serial Communication

For monitoring and management, connect the USB cable from the UPS to your computer. This allows communication with the PowerChute software for advanced features like graceful shutdown and detailed status reporting.
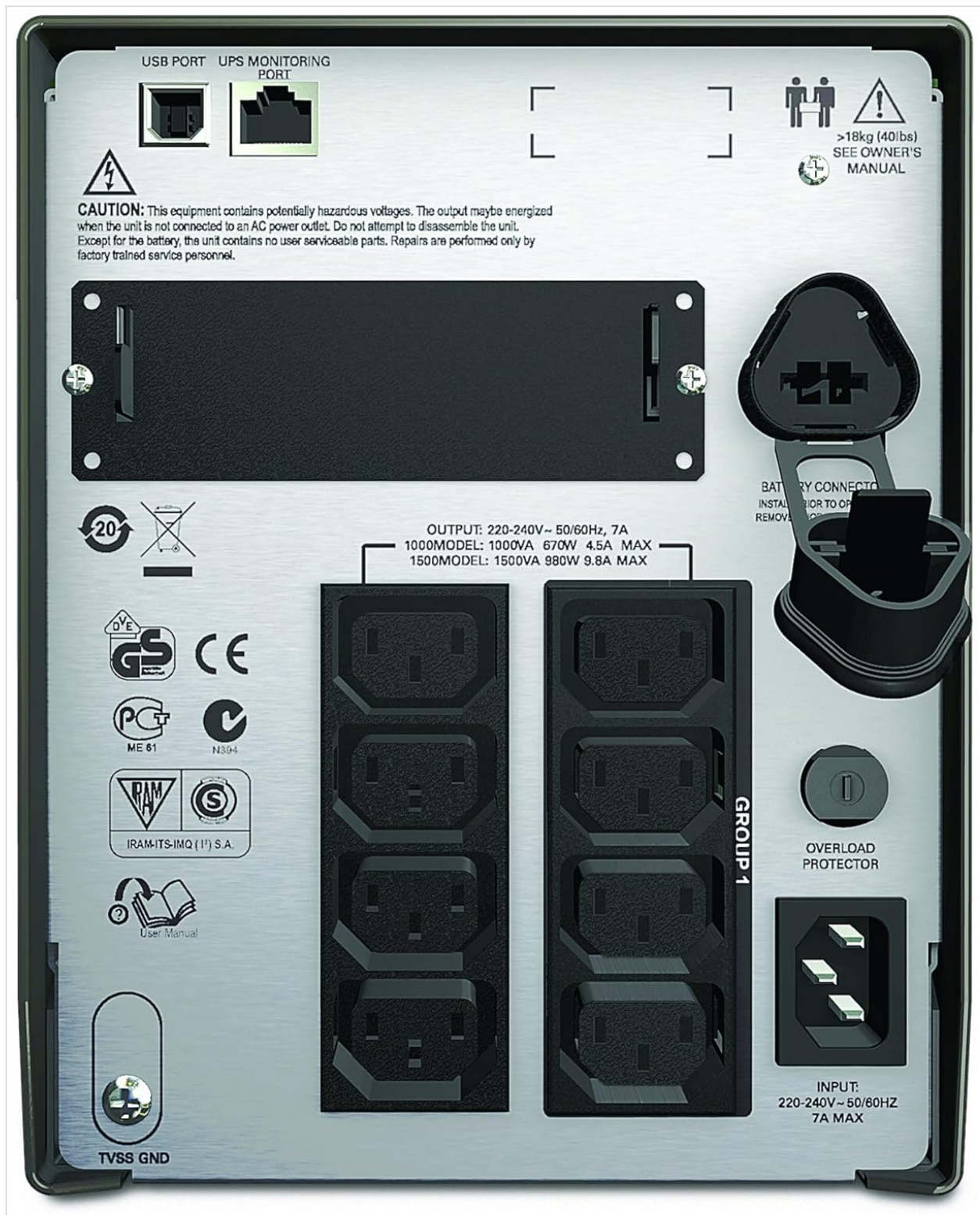
## OPERATING INSTRUCTIONS

### 1. Powering On the UPS

Once all connections are secure, press the power button located on the front panel of the UPS to turn it on.

The LCD display will illuminate, indicating the UPS is operational.



This image displays the front of the APC Smart-UPS SMT1000I, highlighting its user-friendly LCD interface and the main power control button. The LCD provides real-time status updates and access to configuration settings.

## 2. LCD Interface Navigation

Use the navigation buttons adjacent to the LCD display to scroll through various status screens, view event logs, configure settings, and perform self-tests. The LCD provides information such as input/output voltage, load percentage, battery charge level, and estimated runtime.

## 3. PowerChute Software

Install the APC PowerChute software on your connected computer. This software enables advanced

monitoring, configuration, and graceful shutdown of connected equipment during extended power outages. It also provides detailed energy usage reports and customizable alert settings.

## 4. Powering Off the UPS

To power off the UPS, press and hold the power button until the unit shuts down. Ensure all connected equipment is safely powered off or disconnected before turning off the UPS.

## MAINTENANCE

### 1. Battery Replacement

The sealed lead-acid battery inside the SMT1000I typically has a service life of 3-5 years, depending on usage and environmental conditions. The UPS or PowerChute software will indicate when the battery needs replacement. Refer to the official APC website or your product documentation for compatible replacement battery kits and detailed replacement instructions. Battery replacement should only be performed by qualified personnel.

### 2. Cleaning

Keep the UPS free of dust and debris. Use a dry, soft cloth to clean the exterior surfaces. Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the unit.

### 3. Regular Self-Tests

Perform regular self-tests using the LCD interface or PowerChute software to ensure the battery and internal components are functioning correctly. This helps identify potential issues before they lead to critical failures.

## TROUBLESHOOTING

- **No Power Output:**

    - Check that the UPS input power cord is securely connected to a live wall outlet.
    - Ensure the UPS is turned on by pressing the power button.
    - Verify that the battery is properly connected (refer to Setup section).
    - Check the overload protector button on the rear panel; press it if it has popped out.

- **UPS Beeping Continuously/Intermittently:**

    - Consult the LCD display for specific error codes or warning messages.
    - If connected, check the PowerChute software for detailed alerts and recommended actions.
    - Common beeping patterns indicate low battery, overload, or internal fault. Address the specific issue indicated.

- **UPS Not Providing Expected Runtime:**

    - The battery may be nearing the end of its service life and requires replacement.
    - The connected load might be higher than anticipated. Reduce non-critical loads or consider a higher capacity UPS.
    - Ensure the UPS has had sufficient time to fully recharge after a power event.

- **LCD Display Not Working:**

    - Ensure the UPS is powered on.

- If the UPS is on but the display is blank, try pressing any button to wake it up (it may be in power-saving mode).
- If the issue persists, contact technical support.

If you encounter issues not covered here or if troubleshooting steps do not resolve the problem, please contact APC technical support for further assistance.

## SPECIFICATIONS

| Feature | Specification |
| --- | --- |
| Brand | APC |
| Model | SMT1000I |
| Output Power Capacity | 1000 VA / 670 Watts |
| Output Voltage | 230V AC |
| Input Voltage | 230V AC |
| Output Connections | 8 x IEC 320 C13 |
| Input Connection | 1 x IEC 320 C14 |
| Battery Type | Sealed Lead-Acid |
| Typical Recharge Time | 3 hours |
| Form Factor | Tower |
| Weight | 18.86 Kilograms |
| Color | Black |
| USB Ports | 1 |
| Material | Metal |

## WARRANTY INFORMATION

The APC Smart-UPS SMT1000I typically comes with a standard manufacturer's warranty. For specific details regarding the warranty period, coverage, and terms and conditions, please refer to the warranty card included with your product packaging or visit the official APC by Schneider Electric website. Warranty terms may vary by region.

## CUSTOMER SUPPORT

For technical assistance, product registration, software downloads (such as PowerChute), or further information regarding your APC Smart-UPS SMT1000I, please visit the official APC by Schneider Electric support website. You can also find contact information for your local APC customer service team there.

**Online Resources:**

- Product documentation and FAQs

- Software and firmware updates

- Troubleshooting guides