

APC SMT2200

APC Smart-UPS 2200VA (SMT2200) User Manual

Uninterruptible Power Supply with Pure Sine Wave Output

1. INTRODUCTION

The APC Smart-UPS 2200VA (SMT2200) is a high-performance Uninterruptible Power Supply (UPS) designed to provide reliable battery backup and surge protection for critical electronic equipment. It delivers pure sine wave output, ensuring compatibility with sensitive electronics and active Power Factor Corrected (PFC) power supplies. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your SMT2200 UPS. For a comprehensive user guide, please refer to the official [User Guide \(PDF\)](#).

2. PRODUCT OVERVIEW

The SMT2200 UPS features a 2200VA / 1980W capacity, 8 battery backup and surge protector outlets, and an LCD display for easy monitoring. It incorporates network-grade power supply conditioning to protect against damaging surges and disruptive noise. Solid-state Automatic Voltage Regulation (AVR) corrects low and high input voltages without relying on battery power, extending battery life.

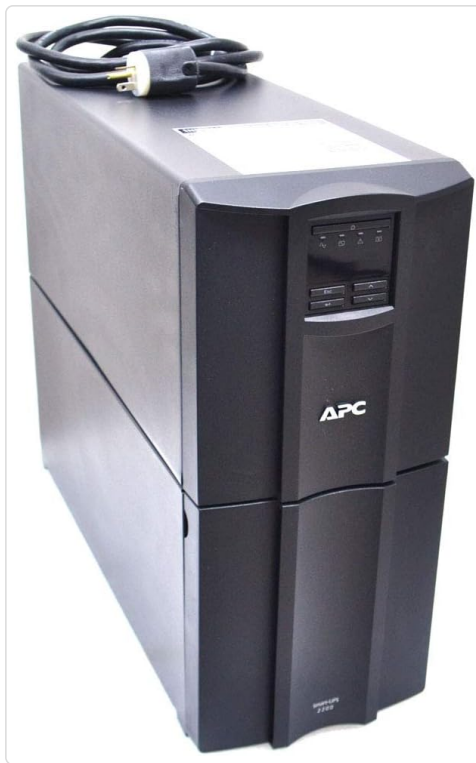


Figure 2.1: Front view of the APC Smart-UPS 2200VA (SMT2200) unit, showing the display and control buttons.



Figure 2.2: Rear view of the APC Smart-UPS 2200VA, highlighting the input/output ports and product label. The label shows model SMT2200 and serial number AS1308140507.



Figure 2.3: Angled rear view of the APC Smart-UPS 2200VA, showing the power cord connected and various outlets.

3. SETUP AND INSTALLATION

Proper setup is crucial for optimal performance and safety. The SMT2200 requires a 20-amp wall plug (NEMA 5-20R outlet) due to its power requirements. Ensure your electrical infrastructure can support this. The unit is heavy (112 pounds), so plan for appropriate handling during installation.

3.1 Initial Placement

- Place the UPS in a cool, dry, and well-ventilated area, away from direct sunlight or heat sources.
- Ensure adequate clearance around the unit for proper airflow.
- The unit is designed for indoor use only.

3.2 Battery Connection

The UPS is shipped with the internal battery disconnected for safety. Connect the battery as per the instructions provided in the full user manual. Ensure a secure connection before proceeding.

3.3 Power Connection

- Connect the UPS power cord to a dedicated 20-amp, 120V outlet.
- Connect your equipment (servers, network devices, etc.) to the 8 battery backup and surge protector outlets on the rear of the UPS.

3.4 Network Connectivity (SmartConnect)

The SMT2200 supports APC SmartConnect for cloud-enabled UPS monitoring and management. Connect the UPS to your network using the dedicated Ethernet port on the rear panel.

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Video 3.1: An overview of APC SmartConnect setup and features, demonstrating how to connect and monitor your UPS remotely. This video highlights the ease of setup and the benefits of cloud-enabled management for distributed IT environments.

To set up SmartConnect:

1. Connect the UPS to your network via the dedicated Ethernet port.
2. Scan the QR code on the UPS (or use the product ID/key) to register your device with the SmartConnect web portal.
3. Create an account on the SmartConnect portal if you don't have one.
4. Once registered, you can view UPS status, receive lifecycle notifications, simplify firmware updates, and access support from any internet-connected device.

4. OPERATING THE UPS

4.1 Powering On/Off

- To power on the UPS, press and hold the power button on the front panel until the display illuminates.
- To power off, press and hold the power button again until the display turns off.

4.2 LCD Display and Navigation

The intuitive LCD display provides real-time status information, including battery charge, load level, estimated runtime, input/output voltage, and frequency. Use the navigation buttons to scroll through different parameters and access settings.

4.3 Automatic Voltage Regulation (AVR)

The UPS automatically adjusts for minor voltage fluctuations (brownouts and overvoltages) without switching to battery power. This feature protects connected equipment and extends battery life.

4.4 Battery Backup Operation

In the event of a power outage, the UPS will automatically switch to battery power, providing continuous power to connected devices. The runtime depends on the connected load. The SMT2200 provides approximately 15 minutes of runtime with a 900-watt load.

5. MAINTENANCE

5.1 Battery Care

- The typical recharge time for the battery is 3 hours.
- Regularly check the battery status via the LCD display or SmartConnect portal.
- Replace batteries when indicated by the UPS or SmartConnect notifications to ensure continued protection. Swollen batteries indicate a critical failure and require immediate replacement.

5.2 Cleaning

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

5.3 Firmware Updates

SmartConnect simplifies firmware updates, ensuring your UPS operates with the latest features and improvements. Follow the instructions provided through the SmartConnect portal for any available updates.

6. TROUBLESHOOTING

This section covers common issues and their solutions. For more complex problems, refer to the full user manual or contact APC support.

Problem	Possible Cause	Solution
UPS not turning on	Battery disconnected or low charge; no input power.	Ensure battery is connected. Verify input power to the UPS. Allow battery to charge for several hours.
Short battery runtime	Overload; aging battery; insufficient charge.	Reduce connected load. Check battery health via LCD/SmartConnect. Replace battery if necessary.
UPS beeping continuously	On battery mode; overload; battery fault.	Check input power. Reduce load. Consult LCD/SmartConnect for specific fault codes.
Fan noise	Normal operation; high load; high ambient temperature.	Ensure proper ventilation. Fan noise is normal, especially under load.

7. SPECIFICATIONS

Feature	Detail
Model	SMT2200
Output Power Capacity	2200 VA / 1980 Watts
Nominal Output Voltage	120V
Waveform Type	Sine Wave




Feature	Detail
Output Frequency (sync to mains)	47~53Hz for 50Hz nominal, 57~63Hz for 60Hz nominal
Typical Recharge Time	3 hours
Product Dimensions (H x W x D)	7.72 x 21.42 x 17.01 inches
Item Weight	112 pounds

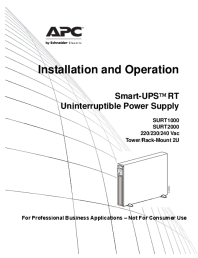
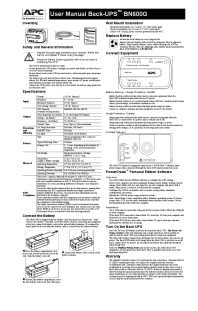

8. WARRANTY AND SUPPORT

APC Smart-UPS products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official APC website. Support is available through the APC SmartConnect portal, which provides easy access to expert advice and troubleshooting resources.

Additional protection plans may be available for purchase, offering extended coverage beyond the standard warranty.

Related Documents - SMT2200

	<p>APC Back-UPS BX Series User Manual: Installation, Operation, and Troubleshooting</p> <p>Comprehensive user manual for APC Back-UPS BX Series (500VA to 2200VA) from Schneider Electric, covering safety instructions, product description, operational features, installation, troubleshooting, service, and warranty information.</p>
	<p>APC Smart-UPS Firmware Upgrade Wizard v4.3.2 User Guide</p> <p>This user guide provides detailed instructions for using the APC Smart-UPS Firmware Upgrade Wizard v4.3.2 to update the firmware on compatible Smart-UPS models. It covers system requirements, supported devices, the step-by-step upgrade process, and troubleshooting.</p>
	<p>APC Back-UPS BX Series User Manual: Safety, Operation, and Specifications</p> <p>User manual for APC Back-UPS BX Series (500VA-2200VA) from Schneider Electric. Provides detailed information on safety instructions, product features, installation, operational modes, specifications, status indicators, troubleshooting, service, and warranty.</p>

 <p>APC Installation and Operation Smart-UPS™ RT Uninterruptible Power Supply SURT1000 SURT2000 200-220V 50/60 Hz Tower Back Mount 100 For Professional Business Applications – Not For Consumer Use</p>	<p>APC Smart-UPS RT Installation and Operation Manual</p> <p>This manual provides comprehensive instructions for the installation, operation, and maintenance of the APC Smart-UPS RT series, including models SURT1000 and SURT2000. It covers safety precautions, setup procedures, operational indicators, troubleshooting, and warranty information for these uninterruptible power supplies.</p>
 <p>APC User Manual Back-UPS® BN600G Safety Important Information Features Specifications Installation Operation Troubleshooting Warranty</p>	<p>APC Back-UPS BN600G User Manual</p> <p>User manual for the APC Back-UPS BN600G Uninterruptible Power Supply (UPS), providing safety information, specifications, installation, operation, troubleshooting, and warranty details.</p>
 <p>APC Back-UPS® Pro 900 설치 및 작동 가이드 구성품 안전 배터리 연결 PowerChute® Personal Edition 소프트웨어 설치</p>	<p>APC Back-UPS Pro 900 Installation and Operation Guide</p> <p>This guide provides instructions for installing and operating the APC Back-UPS Pro 900, including setup, software installation, connection of equipment, operational features like power saving and display modes, troubleshooting, and specifications.</p>