



APC SMX1000I Smart-UPS X Line Interactive Rack/Tower Specifications And Datasheet

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APC SMX1000I Smart-UPS X Line Interactive Rack/Tower



Overview

- **Presentation** Intelligent and efficient network power protection from entry level to scaleable runtime. Ideal UPS for servers, point-of-sale, routers, switches, hubs and other network devices.
- **Lead time** Usually Ships within 2 Weeks

Main

- **Main Input Voltage** 230 V
- **Main Output Voltage** 230 V
- **Rated power in W** 800 W
- **Rated power in VA** 1000 VA
- **Input Connection Type** IEC 320 C14
- **Output connection type** 8 IEC 320 C13; 2 IEC Jumpers
- **Number of rack unit** 2U
- **Cable length** 1.83 m
- **Number of cables** 1
- **Battery type** Lead-acid battery
- **Provided equipment** CD with software; Documentation CD; Installation guide; Rack mounting brackets; Removable support feet; Smart-UPS signaling RS-232 cable; USB cable

Batteries & Runtime

- **Extended runtime** 0
- **Number of battery-filled slots** 0

- **Number of battery-free slots** 0
- **Battery recharge time** 3 h
- **Number of battery replacement quantities** 1
- **Overcurrent protection** 60 A
- **Battery life** 3...5 year(s)
- **Replacement battery** APCRBC116
- **Battery power in VAh** 299 VAh runtime
- **Battery charger power** 99 W rated
- **Battery option** SMX48RMBP2U 1 900 VAh; SMX48RMBP2U 2 1500 VAh; SMX48RMBP2U 3 2100 VAh; SMX48RMBP2U 4 2700 VAh; SMX48RMBP2U 5 3300 VAh

General

- **Number of power module filled slots** 0
- **Number of power module free slots** 0
- **Product web sub-family** Extended run
- **Redundant** No

Physical

- **Color** Black
- **Height** 8.9 cm
- **Width** 43.2 cm
- **Depth** 49 cm
- **Net weight** 22.86 kg
- **Mounting preference** Lower
- **Mounting mode** Rack-mounted with the kit
- **Two post-mountable** 1
- **USB compatible** No

Input

- **Input voltage limits** 151...302 V adjustable; 160...286 V
- **Network frequency** 50/60 Hz +/- 3 Hz auto-sensing

Output

- **Harmonic distortion** Less than 5 %
- **Maximum configurable power in VA** 1000 VA
- **Maximum configurable power in W** 800 W
- **UPS-type** Line interactive
- **Wave type** Sine wave
- **Output frequency** 50/60 Hz +/- 3 Hz sync to mains

Conformance

- **Product certifications** CE; RCM; VDE; EAC
- **Standards** EN/IEC 62040-1:2019/A11:2021; EN/IEC 62040-2:2006/AC:2006; EN/IEC 62040-2:2018

Environmental

- **Acoustic level** 40 dBA
- **Heat dissipation** 82 Btu/h
- **Operating altitude** 0...10000 ft
- **Ambient air temperature for operation** 0...45 °C
- **Ambient air temperature for storage** -15...45 °C
- **Storage altitude** 0.00...15240.00 m
- **Relative humidity** 0...95 %
- **Storage Relative Humidity** 0...95 %

Communications & Management

- **Control panel** Multifunction LCD status and control console
- **Emergency power off** Yes
- **Free slots** 1
- **Alarm** when on battery: distinctive low battery alarm: overload continuous tone alarm

Surge Protection and Filtering

- **Surge energy rate** 600 J
- **Noise suppression** Full-time multi-pole noise filtering: 5% IEEE surge let-through: zero clamping response time: meets UL 1449

Packing Units

- **Unit Type of Package 1** PCE
- **Number of Units in Package 1** 1
- **Package 1 Height** 24.6 cm
- **Package 1 Width** 62 cm
- **Package 1 Length** 58.9 cm
- **Package 1 Weight** 27.32 kg

Offer Sustainability

- **Sustainable offer status** Green Premium product
- **REACH Regulation** REACH Declaration
- **EU RoHS Directive** Compliant; EU RoHS Declaration
- **Mercury-free** Yes

- **RoHS exemption information** Yes
- **Environmental Disclosure** Product Environmental Profile
- **Circularity Profile** End-of-Life Information
- **WEEE** The product must be disposed of on European Union markets following specific waste collection and never end up in rubbish bins
- **Optimized Energy Efficiency** Energy efficient product
- **Take-back** Take-back program available

Contractual warranty

- **Warranty** 3 years repair or replacement (excluding battery) and 2 years for battery
- **Recommended replacement(s)**

DESCRIPTION

The APC SMX1000I Smart-UPS X Line Interactive Rack/Tower is a reliable and efficient uninterruptible power supply (UPS) designed to provide backup power and surge protection for critical electronic equipment. With a power capacity of 1000VA/700W, this UPS offers ample power for small to medium-sized servers, networking equipment, and other sensitive electronics. The Smart-UPS X Line Interactive Rack/Tower design allows for flexible installation options. It can be conveniently mounted in a standard 19-inch rack or used as a standalone tower, making it suitable for various environments.

KEY FEATURES

- **Line Interactive Technology**

The UPS utilizes line interactive technology, which continuously regulates voltage fluctuations and offers efficient power conditioning to protect connected devices from power disturbances.

- **Pure Sine Wave Output**

The pure sine wave output ensures compatibility with a wide range of equipment, including sensitive electronics that require a clean and stable power source.

- **Automatic Voltage Regulation (AVR)**

The built-in AVR feature adjusts high and low voltages to safe levels, without using the battery power, to prolong battery life and provide stable power to connected devices.

- **LCD Display**

The UPS features an intuitive LCD display that provides real-time information about power status, battery capacity, load levels, and other vital system parameters. This allows for easy monitoring and management of the UPS.

- **PowerChute Software**

The included PowerChute software provides advanced management and control capabilities for the UPS. It allows for graceful shutdown of connected devices during an extended power outage, schedule automated shutdowns, and provides detailed power usage and energy efficiency reports.

- **Scalable Runtime**

The UPS can be equipped with additional external battery packs (sold separately) to extend the runtime and ensure uninterrupted power during prolonged outages.

- **Audible Alarms**

Audible alarms provide alerts for various conditions such as low battery, overload, and fault warnings, ensuring that you are promptly notified of any issues.

- **Surge Protection**

The UPS offers surge protection for the connected equipment, safeguarding against damaging power surges and spikes that can occur on the utility power line.

FAQ's

What is the APC SMX1000I Smart-UPS X Line Interactive Rack/Tower?

The APC SMX1000I is a line interactive rack/tower uninterruptible power supply (UPS) designed to provide backup power and surge protection for critical electronic equipment.

What is the power capacity of the UPS?

The APC SMX1000I has a power capacity of 1000VA/700W, making it suitable for small to medium-sized servers, networking equipment, and other sensitive electronics.

Can I install the UPS in a rack or use it as a standalone tower?

Yes, the APC SMX1000I is designed for versatile installation. It can be mounted in a standard 19-inch rack or used as a standalone tower, providing flexibility based on your requirements.

Does the UPS provide pure sine wave output?

Yes, the APC SMX1000I offers a pure sine wave output, ensuring compatibility with a wide range of equipment, including sensitive electronics that require a clean and stable power source.

What is Automatic Voltage Regulation (AVR)?

Automatic Voltage Regulation (AVR) is a feature of the UPS that adjusts high and low voltages to safe levels without using the battery power. It helps to prolong battery life and provides stable power to connected devices.

Is there a display to monitor the UPS status?

Yes, the UPS features an intuitive LCD display that provides real-time information about power status, battery capacity, load levels, and other vital system parameters. It allows for easy monitoring and management of the UPS.

What is the purpose of the PowerChute software?

The included PowerChute software provides advanced management and control capabilities for the UPS. It allows for graceful shutdown of connected devices during extended power outages, schedule automated shutdowns, and provides detailed power usage and energy efficiency reports.

Can I extend the runtime of the UPS?

Yes, the APC SMX1000I supports external battery packs (sold separately) that can be connected to extend the runtime and ensure uninterrupted power during prolonged outages.

Does the UPS provide surge protection?

Yes, the UPS offers surge protection for the connected equipment, safeguarding against damaging power surges and spikes that can occur on the utility power line.

How does the UPS manage the battery?

The UPS features intelligent battery management that maximizes battery performance, reliability, and lifespan. It performs periodic self-tests and provides early warning notifications for battery replacement.

Is the UPS energy-efficient?

Yes, the APC SMX1000I is designed for energy efficiency. It employs high-efficiency charging technology and an intelligent fan system that adjusts speed based on load and temperature, minimizing energy consumption.

What warranty and support are provided for the UPS?

The APC SMX1000I comes with a standard warranty, and APC offers comprehensive technical support and assistance for troubleshooting and configuration.

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