UPAPSC450RMI1U

APC Smart-UPS SC 450VA 230V 1U Rackmount/Tower UPS

Product Overview

APC Smart-UPS SC 450VA 230V - 1U Rackmount/Tower, DB-9 RS-232 Interface Port, 280 Watts Output Power Capacity, 5 Hour(s) Typical Recharge Time, 320 Joules Surge Energy Rating, Adjustable Voltage Sensitivity, Resettable Circuit Breakers, LED Status Indicators, Network Manageable.





Specifications

About this product

Buy the APC SC450RMI1U Smart-UPS SC 450VA 230V 1U Rackmount UPS for reliable power backup and surge protection for critical IT and network equipment in South Africa. This intelligent line-interactive UPS delivers 280W of clean, stable power with pure sine wave output, ensuring uninterrupted operation during outages, voltage fluctuations, and power spikes. Shop now for dependable rackmount power protection designed for servers, networking systems, and business continuity.

Overview Summary

APC SC450RMI1U Smart-UPS SC 450VAis a compact 1U rackmount or tower UPS designed to deliver dependable power protection for small servers, networking devices, and sensitive electronics. It provides 280W of output power capacity and supports 230V input and output, making it ideal for professional IT environments.

This line-interactive UPS features automatic voltage regulation, surge protection rated at 320 joules, and adjustable voltage sensitivity for improved equipment safety. With DB-9 RS-232 connectivity and LED status indicators, it allows basic monitoring and integration into managed environments.

Engineered for efficiency and reliability, it includes resettable circuit breakers and a typical recharge time of 5 hours, ensuring fast recovery after power events. Its rackmount 1U design saves space in server racks while maintaining enterprise-grade protection.

Performance tier: Entry-level enterprise UPS

Uses:servers, networking equipment, POS systems, routers, switches, small business IT systems

Overview

This product is part of the Smart-UPS range, an intelligent and efficient network power protection offer from entry-level to scalable runtime. This 450VA/280W line-interactive UPS provides pure sine wave power to support critical electronics during

power disruptions. The 1U rackmount SC features network grade protection, live swappable batteries, and built-in data line protection. It comes with IEC 320 C14 input, 4x IEC 320 C13 outlets and 2x IEC jumpers. Its dimensions are 383mm (depth) x 44mm (height) x 432mm (width) and weighs 10.18kg. Ideal for networking equipment and POS devices. It conforms to C-Tick, CE, EAC, GOST, TISI, and VDE. Designed for small and medium businesses looking to protect networking equipment and point-of-sale (POS) devices from power disturbances and outages.

Description

The APC SC450RMI1U Smart-UPS SC 450VA is a professional-grade uninterruptible power supply designed for rackmount and tower installation. It provides stable 230V output power with 280W capacity, ensuring consistent performance for essential IT infrastructure and sensitive electronics.

This UPS uses line-interactive technology to automatically correct voltage fluctuations without switching to battery power unnecessarily. This improves battery life and ensures smoother operation during unstable grid conditions. Its compact 1U form factor makes it ideal for space-constrained server racks and small business installations.

Built with enterprise reliability in mind, it includes RS-232 communication support, LED status indicators, and surge protection to safeguard connected devices. It is designed to keep critical systems running during outages and protect against damaging power events.

Features

Key features of the APC SC450RMI1U Smart-UPS SC 450VA include:

- 450VA / 280W output capacity for essential IT equipment
- Line-interactive UPS topology for automatic voltage regulation
- 1U rackmount or tower convertible design for flexible installation
- 320 joules surge protection for electrical safety
- DB-9 RS-232 communication port for basic management
- LED status indicators for real-time UPS monitoring
- Resettable circuit breaker for added protection and convenience
- Adjustable voltage sensitivity settings for optimized performance
- Typical 5 hour recharge time for fast recovery after discharge
- Supports networking and server environments

What's in the Box

- APC SC450RMI1U Smart-UPS unit
- Rack mounting brackets
- RS-232 communication cable
- User manual
- Software CD

Specifications

Overview	
Presentation	APC Smart-UPS SC is ideal for small and medium businesses looking to protect networking equipment and point-of-sale (POS) devices from power disturbances and outages. The Smart-UPS SC features network grade protection, hot swap batteries, and built-in data line protection for worry free uninterruptible power protection for increased availability. Built on the same standards as the award-winning Smart-UPS, Smart-UPS SC provides the basic features and manageability needed to protect entry-level applications

Main	
Run time for load 280W	5min 54s
	Min-max: 28-280 W
Max. Capacity Used	100%
Main input voltage	230 V AC 1 phase
Input connection	IEC 320 C14
Efficiency at full load	151...302 V adjustable
	195...265 V
Input frequency	50/60 Hz +/- 3 Hz auto-sensing
Output voltage	230 V AC 1 phase
Rated power in W	280 W
Rated power in VA	450 VA
Output connection	4 IEC 320 C13
	2 IEC Jumpers
Harmonic distortion	Less than 5 % at full load
Maximum configurable power in VA	450 VA
Maximum configurable power in W	280 W
Transfer time	4 ms typical : 8 ms maximum
UPS topology	Line interactive
Waveform type	Stepped approximation to a sinewave
Output frequency	47...53 Hz for 50 Hz nominal sync to mains
	57...63 Hz for 60 Hz nominal sync to mains
Replacement battery	RBC18
Complementary	
Battery capacity	9.0 Ah
Battery type	Lead-acid internal included
Emergency power off	Optional
Free slot	0
Control panel	LED status display with on line : on battery : replace battery and overload indicators
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
UPS connectivity	Serial port
	USB port
Data line protection	RJ45 10/100 Base-T Ethernet protection
Data line protection	RJ11 2-Way Modem/Fax/DSL splitter with protection (four wire dual line)
Surge energy rating	320 J
Noise filtering	Full time multi-pole noise filtering : 0.7% IEEE surge let-through : zero clamping response time : meets UL 1449

Number of rack unit	1U
Color	Grey
Height	44 mm
Width	432 mm
Depth	383 mm
Product weight	10.18 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No
Mounting mode	Rack-mounted
Provided equipment	User manual
	Rack mounting brackets
	Smart UPS signalling RS-232 cable
	CD with software
Number of power modules	0
Number of power module filled slots	0
Number of power module free slots	0
Additional specification	Entry level
Redundant	No
Range of product	Smart-UPS
Product or component type	Uninterruptible power supply (UPS)
Environment	
Product certification	C-Tick
	CE
	EAC
	GOST
	TISI
	VDE
Standard	EN/IEC 62040-1:2019/A11:2021
	EN/IEC 62040-2:2006/AC:2006
	EN/IEC 62040-2:2018
Ambient air temperature for operation	0...40 degreesC
Ambient air temperature for storage	-15...45 degreesC

Storage altitude	0...15240 m
Relative humidity	0...95 %
Storage relative humidity	0...95 %
Acoustic level	38 dBA
Heat dissipation	38 Btu/h
Operating altitude	0...10000 ft
Batteries & Runtime	
Battery type	Lead-acid battery
Battery voltage	12 V
Extendable runtime	0
Included battery module	0
Empty battery slot	0
Typical recharge time	5 h
RBC quantity	1
Battery life	3...5 year(s)
Battery charging power	22 W rated

FAQ

What devices can the APC SC450RMI1U power?

This UPS is designed to support small servers, network switches, routers, and point-of-sale systems that require stable and uninterrupted power.

How long does the battery take to recharge?

The typical recharge time for the APC SC450RMI1U is approximately 5 hours after a full discharge.

Is this UPS suitable for home use?

Yes, it can be used in advanced home setups, but it is primarily designed for business and IT environments such as server racks and network closets.

Does it provide surge protection?

Yes, it includes 320 joules of surge protection to protect connected equipment from power spikes and electrical disturbances.

Can it be mounted in a server rack?

Yes, it is a 1U rackmount UPS and includes mounting brackets for standard server rack installation.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/UPAPSC450RMI1U-APC-Smart-UPS-SC-450VA-230V-1U-Rackmount-Tower-UPS-p-26922.php

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