

Product data sheet

Specifications

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



SC450RMI1U

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

Lead time Usually in Stock

Main

Main Input Voltage 230 V

Main Output Voltage 230 V

Rated power in W 280 W

Rated power in VA 450 VA

Product or component type Uninterruptible power supply (UPS)

Input Connection Type IEC 320 C14

output connection type 4 IEC 320 C13
2 IEC Jumpers

number of rack unit 1U

Battery type Lead-acid battery

Provided equipment User manual
Rack mounting brackets
Smart UPS signalling RS-232 cable
CD with software

Range of product Smart-UPS

Batteries & Runtime

Run Time [View Runtime Graph](#) 

Battery voltage 12 V

Extended runtime 0

Battery capacity 9.0 Ah


Number of battery filled slots 0

Number of battery free slots 0

Battery recharge time 5 h

Number of battery replacement quantity 1

Battery life 3...5 year(s)

Replacement battery	RBC18 
Battery charger power	22 W rated

General

Number of power module filled slots	0
Number of power module free slots	0
product web sub-family	Entry level
Redundant	No

Physical

Colour	Grey
Height	4.4 cm
Width	43.2 cm
Depth	38.3 cm
Net weight	10.18 kg
mounting location	Front
Mounting preference	Lower
mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

Input voltage limits	151...302 V adjustable 195...265 V
Network frequency	50/60 Hz +/- 3 Hz auto-sensing

Output

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 type	Line interactive
Wave 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

Conformance

Product certifications	C-Tick CE EAC GOST TISI VDE
Standards	EN/IEC 62040-1:2019/A11:2021 EN/IEC 62040-2:2006/AC:2006 EN/IEC 62040-2:2018

Environmental

acoustic level	38 dBA
Heat dissipation	38 Btu/h
Operating altitude	0...10000 ft
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-15...45 °C
Storage altitude	0.0000000000...15240.0000000000 m
Relative humidity	0...95 %
Storage Relative Humidity	0...95 %

Communications & Management

Emergency power off	Optional
Free slots	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

Surge Protection and Filtering

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 rate	320 J
Noise suppression	Full time multi-pole noise filtering : 0.7% 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	16.4 cm
Package 1 Width	47.6 cm
Package 1 Length	58.9 cm
Package 1 Weight	11.73 kg
Unit Type of Package 2	PAM
Number of Units in Package 2	32
Package 2 Height	143.8 cm
Package 2 Width	100 cm
Package 2 Length	120 cm
Package 2 Weight	403.2 kg

Contractual warranty

Warranty	2 years repair or replace
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Energy Efficient Take-back Transparency RoHS/REACH

Resource performance

✓ Energy Efficient Product

✓ Take-Back Program Available

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)
