

Product datasheet

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)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Replacement battery	RBC18 
Battery charger power	22 W rated

General

Number of power module	0
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
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Standards	EN/IEC 62040-1:2019/A11:2021 EN/IEC 62040-2:2006/AC:2006 EN/IEC 62040-2:2018
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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	16.400 cm
Package 1 Width	47.600 cm
Package 1 Length	58.900 cm
Package 1 Weight	11.730 kg
Unit Type of Package 2	PAM
Number of Units in Package 2	32
Package 2 Height	143.800 cm
Package 2 Width	100.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	403.200 kg

Contractual warranty

Warranty	2 years repair or replace
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)


Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	485
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	B2b22a56-41f2-497e-9ea6-cf093b3b8bd3
REACH Regulation	REACH Declaration

Energy efficiency	
Optimized Energy Efficiency	Energy efficient product

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	Yes
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins