

Product datasheet

Specifications



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



SC450RM11U

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

Product or component type Uninterruptible power supply (UPS)

Complementary

Mounting mode Rack-mounted

UPS connectivity Serial port
USB port

Battery type Lead-acid internal included

Batteries & Runtime

Run Time [View Runtime Graph](#)

Battery type Lead-acid battery

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

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

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

Number of rack unit	1U
Colour	Grey
Height	44 mm
Width	432 mm
Depth	383 mm
Net weight	10.18 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

Main Input Voltage	230 V AC 1 phase
Input Connection Type	IEC 320 C14
Input voltage limits	151...302 V adjustable 195...265 V
Network frequency	50/60 Hz +/- 3 Hz auto-sensing

Output

Main Output Voltage	230 V AC 1 phase
Rated power in W	280 W
rated power in VA	450 VA
output connection type	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 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...15240 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
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Contractual warranty

Warranty (in months)	24
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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

Total lifecycle Carbon footprint 585

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

Energy Efficiency Optimized Energy efficient product

Use Again

Repack and remanufacture

End of life manual availability [End of Life Information](#)

Removable battery User replaceable

Take-back Yes


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

Image of product / Alternate images

Alternative



