





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

SC450RMI1U

### Overview

Presentation A

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

#### Main

Main Input Voltage	230 V
Main Output Voltage	230 V
Rated power in W	280 W
Rated power in VA	450 VA
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

# General

slots	U Company of the comp
Number of power module free slots	0
Product web sub-family	Entry level
Redundant	No

Smart UPS signalling RS-232 cable

CD with software

#### **Physical**

Colour	Grey
Height	4.4 cm
Width	43.2 cm
Depth	38.3 cm

Net weight 10.18 kg  Mounting preference Lower  Mounting preference Lower  Mounting mode Rask-mounted  Two post mountable 0  USB compatible No  Input  Input  Input voltage limits 151302 V adjustable 195265 V  Network frequency 50.000 Hz 4/-3 Hz auto-sensing  Output  Harmonic distortion Less than 5 % at till load  Maximum configurable power in VA  Maximum configurable power		
Mounting mode         Rack-mounted           Two post mountable         0           USB compatible         No           Input           Input voltage limits         151.302 V adjustable 1982.265 V           Network frequency         5000 Hz +/- 3 Hz auto-sensing           Output           Harmonic distortion         Loss than 5 % at full load           Maximum configurable power in VA         450 VA           VA         Washing a configurable power in VA           VB         4 ms typical: 8 ms maximum           UPS type         Line interactive           Wave type         Stepped approximation to a sinewave           Output frequency         4738 Hz for 60 Hz nominal sync to mans 5738 Hz for 60 Hz	Net weight	10.18 kg
Mounting mode Rack-mounted Two post mountable 0 USB compatible No Input Input Input voltage limits 151_302 V adjustable 1185_265 V Network frequency 50560 Hz +/- 3 Hz auto-sensing  Output Harmonic distortion Less than 6 % at full load Maximum configurable power in VA Maximum configurable power in VA  Maximum configurable power in VA  Maximum configurable power in VA  Maximum configurable power in VA  Transfer time 4 ms typical : 8 ms maximum  UPS type Line interactive  Wave type Stepped approximation to a sinewave  Output frequency 47_33 Hz for 50 Hz nominal sync to mains 57_63 Hz for 60 Hz nominal sync to mains 57_63 Hz for 60 Hz nominal sync to mains 57_63 Hz for 60 Hz nominal sync to mains 57_63 Hz for 60 Hz nominal sync to mains  Environmental  Acoustic level Stepped Stepped 22008AC-22008 ENVEC 82040-22018  Environmental  Acoustic level 38 dBA Heat dissipation 38 Btah Operating altitude 010000 ft  Ambient air temperature for operation  Post storage altitude 0.00.15240.00 m  Relative humidity 095 %  Storage Relative Humidity 095 %  Batteries & Runtime	Mounting location	Front
Two post mountable 0 USB compatible No USB compatible No Input Input Input voltage limits 151. 302 V adjustable 185. 265 V Network frequency 50/80 Hz +/- 3 Hz auto-sensing  Output Harmonic distortion Less than 5 % at full load Maximum configurable power in VA Maximum configurable power in W Transfer time 4 ms typical 1.8 ms maximum UPS type Line interactive Wave type Stepped approximation to a sinewave Output frequency 4763 Hz for 50 Hz nominal sync to mains 5783 Hz for 60 Hz nominal	Mounting preference	Lower
Input   Input   Input voltage limits	Mounting mode	Rack-mounted
Input Input voltage limits 151302 V adjustable 199265 V Network frequency 50/60 Hz +/- 3 Hz auto-sensing  Output Harmonic distortion Less than 5 % at full load Maximum configurable power in VA Maximum configurable power in W Transfer time 4 ms typical -8 ms maximum UPS type Line interactive Wave type Stepped approximation to a sinewave Output frequency 4753 Hz for 50 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains 5863 Hz for 60 Hz nominal sync to mains 5963 Hz for 60 Hz nominal sync to mains 5065 Hz nominal sync to mai	Two post mountable	0
Input voltage limits	USB compatible	No
Input voltage limits		
Network frequency  50/60 Hz +/- 3 Hz auto-sensing  Output  Harmonic distortion  Maximum configurable power in VA  Maximum configurable power in VA  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 57 63 Hz for 60 Hz nominal sync to mains  Conformance  Product certifications  C-Tick CE EAC GOST TISI VDE  Standards  ENVIEC 2004-1-2019/411-2021 ENVIEC 20240-2-2008 ENV		151 302 V adjustable
Output Harmonic distortion Less than 5 % at full load Maximum configurable power in VA Maximum configurable power in VA  Maximum configurable power in VA  Transfer time 4 ms typical: 8 ms maximum  UPS type Line interactive Wave type Slepped approximation to a sinewave  Output frequency 4753 Hz for 50 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains 5763 Hz for 60 Hz nominal sync to mains  Conformance  Product certifications C-Tick CE EAC COST INO WE  Standards ENIEC 62040-1:2019/311:2021 ENIEC 62040-2:2018  Environmental  Acoustic level 38 dBA Heat dissipation 38 Btu/h Operating altitude 010000 ft  Ambient air temperature for operation Ambient air temperature for operation  Ambient air temperature for operation  Storage altitude 040 °C Storage altitude 095 %  Storage Relative Humidity 095 %		
Harmonic distortion  Less than 5 % at full load  Maximum configurable power in VA  Maximum configurable power in W  Transfer time 4 ms typical: 8 ms maximum  UPS type Line interactive  Wave type Stepped approximation to a sinewave  Output frequency 4753 Hz for 50 Hz nominal sync to mains  5763 Hz for 60 Hz nominal sync to mains  Conformance  Product certifications  C-Tick CE EAC GOST TISI VOE  Standards  ENVIEC 62040-1-2019/A11-2021 ENVIEC 62040-2-2018  Environmental  Acoustic level 38 dBA  Heat dissipation 38 Btwh  Operating altitude 010000 ft  Ambient air temperature for operation  Ambient air temperature for operation  Storage altitude 0.0015240.00 m  Relative humidity 095 %  Storage Relative Humidity 095 %  Storage Relative Humidity 095 %  Storage Relative Humidity 095 %  Saturable Ambient air temperature for operation  Relative humidity 095 %  Storage Relative Humidity 095 %	Network frequency	50/60 Hz +/- 3 Hz auto-sensing
Harmonic distortion  Less than 5 % at full load  Maximum configurable power in VA  Maximum configurable power in W  Transfer time 4 ms typical: 8 ms maximum  UPS type Line interactive  Wave type Stepped approximation to a sinewave  Output frequency 4753 Hz for 50 Hz nominal sync to mains  5763 Hz for 60 Hz nominal sync to mains  Conformance  Product certifications  C-Tick CE EAC GOST TISI VOE  Standards  ENVIEC 62040-1-2019/A11-2021 ENVIEC 62040-2-2018  Environmental  Acoustic level 38 dBA  Heat dissipation 38 Btwh  Operating altitude 010000 ft  Ambient air temperature for operation  Ambient air temperature for operation  Storage altitude 0.0015240.00 m  Relative humidity 095 %  Storage Relative Humidity 095 %  Storage Relative Humidity 095 %  Storage Relative Humidity 095 %  Saturable Ambient air temperature for operation  Relative humidity 095 %  Storage Relative Humidity 095 %	Outrout	
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UPS type  Line interactive  Wave type  Stepped approximation to a sinewave  Output frequency  4753 Hz for 50 Hz nominal sync to mains 5763 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 Btw/h  Operating altitude  010000 ft  Ambient air temperature for operation  Ambient air temperature for storage  Storage altitude  0.0015240.00 m  Relative humidity  095 %  Storage Relative Humidity  095 %  Batteries & Runtime		280 W
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Acoustic level 38 dBA  Heat dissipation 38 Btu/h  Operating altitude 010000 ft  Ambient air temperature for operation  Ambient air temperature for storage  Storage altitude 0.0015240.00 m  Relative humidity 095 %  Storage Relative Humidity 095 %  Batteries & Runtime	Standards	EN/IEC 62040-2:2006/AC:2006
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Ambient air temperature for storage  Storage altitude 0.0015240.00 m  Relative humidity 095 %  Storage Relative Humidity 095 %  Batteries & Runtime	Operating altitude	010000 ft
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Relative humidity 095 %  Storage Relative Humidity 095 %  Batteries & Runtime		-1545 °C
Storage Relative Humidity 095 %  Batteries & Runtime	Storage altitude	0.0015240.00 m
Batteries & Runtime	Relative humidity	095 %
	Storage Relative Humidity	095 %
	Batteries & Runtime	
Battery voitage 12 V	Battery voltage	12 V
Extended runtime 0	Extended runtime	0
Battery capacity 9.0 Ah	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	35 year(s)
Replacement battery	RBC18 ௴
Battery power in VAH	108 VAh runtime
Battery charger power	22 W rated

## **Communications & Management**

Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
Control panel	LED status display with on line : on battery : replace battery and overload indicators
Emergency power off	Optional
Free slots	0

## **Surge Protection and Filtering**

Data line protection	RJ11 2-Way Modem/Fax/DSL splitter with protection (four wire dual lines) RJ45 10/100 Base-T Ethernet protection
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**

Package 1 Length	58.9 cm
Package 2 Width	100 cm
Package 2 Height	143.8 cm
Package 2 Weight	403.2 kg
Package 1 Width	47.6 cm
Package 1 Height	16.4 cm
Package 1 Weight	11.73 kg
Number of Units in Package 2	32
Unit Type of Package 2	PAM
Package 2 Length	120 cm

## 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 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

2 years repair or replace