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NEW! APC Smart-UPS SC 450VA 120V - 1U Rackmount/Tower



APC Smart-UPS SC, 450VA/280W,
Input 120V/Output 120V, Interface Port DB-9 RS-232,
Rack Height 1 U

Includes: CD with software, Rack Mounting Brackets,
Smart UPS signalling RS-232 cable, User Manual



[Runtime Chart](#)

SC450RM1U

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Model	NEW! APC Smart-UPS SC 450VA 120V - 1U Rackmount/Tower	APC Smart-UPS 1000VA USB & Serial RM 1U 120V	APC Smart-UPS 1000VA USB & Serial RM 2U 120V
Part Number	SC450RM1U	SUA1000RM1U	SUA1000RM2U
Estimated Resale Price*	Add Options	Add Options	Add Options
Estimated Runtime (watts)			

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[\[Top of Page \]](#)

Product 1

Product 2

Product 3

☐ [Output](#)

Output Power Capacity	280 Watts / 1000 VA	640 Watts / 1000 VA	670 Watts / 1000 VA
Max Configurable Power	280 Watts / 1000 VA	640 Watts / 1000 VA	670 Watts / 1000 VA
Nominal Output Voltage	120V	120V	120V
Output Voltage Distortion	Less than 5% at full load	Less than 5% at full load	Less than 5% at full load
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal
Crest Factor	up to 5 : 1	up to 5 : 1	up to 5 : 1
Waveform Type	Stepped approximation to a sinewave	Sine wave	Sine wave
Output Connections	(4) NEMA 5-15R 	(4) NEMA 5-15R 	(6) NEMA 5-15R 

☐ [Input](#)

Nominal Input Voltage	120V	120V	120V
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)	50/60 Hz +/- 3 Hz (auto sensing)	50/60 Hz +/- 3 Hz (auto sensing)
Input Connections	NEMA 5-15P 	NEMA 5-15P 	NEMA 5-15P 
Cord Length	6 feet (1.83 meters)	8 feet (2.44 meters)	8 feet (2.44 meters)

Input voltage range for main operations	82 - 144V	82 - 144V	82 - 144V
Input voltage adjustable range for mains operation	75 - 154V	75 - 154V	75 - 154V

[Batteries & Runtime](#)

Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time	5 hour(s)	2 hour(s)	3 hour(s)
Replacement battery cartridge	CURK18 , RBC18	RBC34	CURK23 , RBC23
RBC™ Quantity	1	1	1

[Communications & Management](#)

Interface Port(s)	DB-9 RS-232	DB-9 RS-232, SmartSlot, USB	DB-9 RS-232, SmartSlot, USB
Control panel	LED status display with On Line : On Battery : Replace Battery and Overload indicators	LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : and Overload Indicators	LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : and Overload Indicators
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm	Alarm when on battery : distinctive low battery alarm : configurable delays	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off (EPO)	Optional	Optional	Optional
Available SmartSlot™ Interface Quantity	--	1	1

[Surge Protection and Filtering](#)

Surge energy rating	400 Joules	480 Joules	459 Joules
Filtering	Full time multi-pole noise filtering : 0.7% IEEE surge let-through : zero clamping	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping

	response time : meets UL 1449	response time : meets UL 1449	response time : meets UL 1449
	RJ-11 Modem/Fax protection		
Dataline protection	(four wire dual line),RJ45	--	--
	10/100 Base-T Ethernet		
	protection		

[Physical](#)

Maximum Height	1.72 inches (44 mm)	1.72 inches (44 mm)	3.5 inches (89 mm)
Maximum Width	17.0 inches (432 mm)	17.0 inches (432 mm)	17.0 inches (432 mm)
Maximum depth	15.17 inches (385 mm)	26.0 inches (660 mm)	18.0 inches (457 mm)
Rack Height	1U	1U	2U
Net Weight	23.7 lbs. (10.77 kg)	48.0 lbs. (21.82 kg)	62.0 lbs. (28.18 kg)
Shipping Weight	27.1 lbs. (12.32 kg)	56.0 lbs. (25.45 kg)	69.2 lbs. (31.45 kg)
Shipping Height	6.46 inches (164 mm)	7.5 inches (191 mm)	9.88 inches (251 mm)
Shipping Width	18.73 inches (476 mm)	22.0 inches (559 mm)	23.38 inches (594 mm)
Shipping Depth	23.17 inches (589 mm)	30.5 inches (775 mm)	23.75 inches (603 mm)
Color	Grey	Black	Black
Units per Pallet	24.00	10.00	16.00

[Environmental](#)

Operating Environment	0 - 40 °C (32 - 104 °F)	0 - 40 °C (32 - 104 °F)	0 - 40 °C (32 - 104 °F)
Operating Relative Humidity	0 - 95%	0 - 95%	0 - 95%
Operating Elevation	0-10000 feet (0-3000 meters)	0-10000 feet (0-3000 meters)	0-10000 feet (0-3000 meters)
Storage Temperature	-15 - 45 °C (5 - 113 °F)	-15 - 45 °C (5 - 113 °F)	-15 - 45 °C (5 - 113 °F)
Storage Relative Humidity	0 - 95%	0 - 95%	0 - 95%
Storage Elevation	0-50000 feet (0-15000 meters)	0-50000 feet (0-15000 meters)	0-50000 feet (0-15000 meters)
Audible noise at 1 meter from surface of unit	38 dBA	45 dBA	45 dBA
Online Thermal Dissipation	38 BTU/hr	130 BTU/hr	89 BTU/hr

[Conformance](#)

Regulatory Approvals	CSA,FCC Part 15 Class A,UL 1778	FCC Part 15 Class A,UL 1778	CSA,FCC Part 15 Class A,UL 1778
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Standard Warranty	2 years repair or replace	2 years repair or replace	2 years repair or replace
Equipment protection policy	Lifetime : \$150000	Lifetime : \$150000	Lifetime : \$150000

☐ Compare Features

[\[Top of Page \]](#)

	Product 1	Product 2	Product 3
Adjustable voltage sensitivity		✓	✓
Adjustable voltage-transfer points	✓	✓	✓
Audible alarms	✓	✓	✓
Automatic restart of loads after UPS shutdown	✓	✓	✓
Automatic self-test	✓	✓	✓
Boost and Trim			
Automatic Voltage Regulation (AVR)	✓	✓	✓
Cold-start capable	✓	✓	✓
Dataline Surge Protection	✓		
Disconnected battery notification		✓	✓
Front-access servicing	✓	✓	✓
Generator compatible		✓	✓
Hot-swappable batteries	✓	✓	✓
InfraStruXure Manager compatible	✓	✓	✓
Intelligent battery management	✓	✓	✓
LED status indicators	✓	✓	✓
Multiple mounting methods	✓		
Network manageable	✓	✓	✓
Power conditioning	✓	✓	✓
Predictive failure notification	✓	✓	✓

Rack/Tower convertible	✓		
Resettable circuit breakers	✓	✓	✓
Safety-agency approved	✓	✓	✓
Serial Connectivity	✓	✓	✓
SmartSlot		✓	✓
Temperature-compensated battery charging		✓	✓
USB connectivity		✓	✓
User-replaceable batteries	✓	✓	✓

*Estimated Resale Price - Without Tax/VAT

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