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

APC Smart-UPS SC, 280 Watts / 450 VA,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

Standard Lead Time: Usually in Stock

SC450RM1U Features

Rack/Tower convertible	Protects the initial investment in the UPS when migrating from tower to rack-mount environment.
Multiple mounting methods	Allows for standardization on one product for use in different environments.
Front-access servicing	Simplifies installation and maintenance while minimizing space requirements.

Smart-UPS SC Features & Benefits

Manageability	
Network manageable	Provides remote management of the UPS over the network.
Audible Alarms	Actively let you know if the unit is on battery, if the battery is low or if there is an overload condition.
Automatic self-test	Periodic battery self-test ensures early detection of a battery that needs to be replaced.
Battery failure notification	Provides early-warning fault analysis on batteries enabling timely preventive maintenance
Serial Connectivity	Provides management of the UPS via a serial port.
LED status indicators	Quickly understand unit and power status with visual indicators.
InfraStruXure Manager Compatible	Enables centralized management via the APC InfraStruXure® Manager.
Economy	
Boost and Trim Automatic Voltage Regulation (AVR)	Gives higher application availability by correcting low and high voltage conditions without using the battery.
Adjustable voltage-transfer points	Maximizes useful battery life by widening the input voltage window or tightening the output voltage regulation.
Safety-agency approved	Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment. UL, FCC, CE, C-Tick approvals.
Availability	
Dataline Surge Protection	Provides protection of connected equipment from power surges on the data lines.
Power conditioning	Protects connected loads from surges, spikes, lightning, and other power disturbances.
Intelligent Battery Management	Maximizes battery performance, life, and reliability through intelligent, precision charging.
Automatic restart of loads after UPS shutdown	Automatically starts up the connected equipment upon the return of utility power.
Cold-start capable	Provides temporary battery power when the utility power is out.
Hot-swappable batteries	Ensures clean, uninterrupted power to protected equipment while batteries are being replaced
Resettable circuit breakers	Enables a quick recovery from overload events.

Output

Output Power Capacity	280 Watts / 450 VA
Max Configurable Power	280 Watts / 450 VA
Nominal Output Voltage	120V
Output Voltage Distortion	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
Crest Factor	up to 5 : 1
Waveform Type	Stepped approximation to a sinewave
Output Connections	(4) NEMA 5-15R

Input

Nominal Input Voltage	120V
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input Connections	NEMA 5-15P
Cord Length	1.83 meters
Input voltage range for main operations	82 - 144V
Input voltage adjustable range for mains operation	75 - 154V

Batteries & Runtime

Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time	5 hour(s)
Replacement Battery	RBC18
RBC™ Quantity	1
Typical Backup Time at Half Load	19.4 minutes (140 Watts)
Typical Backup Time at Full Load	5.9 minutes (280 Watts)
Runtime Chart	Smart-UPS SC

Communications & Management

Interface Port(s)	DB-9 RS-232

Control panel	LED status display with On Line : On Battery : Replace Battery and Overload indicators
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
Emergency Power Off (EPO)	Optional

Surge Protection and Filtering

Surge energy rating	400 Joules
Filtering	Full time multi-pole noise filtering : 0.7% IEEE surge let-through : zero clamping response time : meets UL 1449
Data Line Protection	RJ-11 Modem/Fax protection (four wire dual line),RJ45 10/100 Base-T Ethernet protection

Physical

Maximum Height	44.00 mm
Maximum Width	432.00 mm
Maximum Depth	385.00 mm
Rack Height	1U
Net Weight	10.77 KG
Shipping Weight	12.32 KG
Shipping Height	164.00 mm
Shipping Width	476.00 mm
Shipping Depth	589.00 mm
Color	Grey
Units per Pallet	24.00

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	0%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	38.00 dBA
Online Thermal Dissipation	38.00 BTU/hr

Conformance

Regulatory Approvals	CSA,FCC Part 15 Class A,UL 1778
Standard Warranty	2 years repair or replace

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.