



# Smart-UPS® SC

## Power protection for entry-level servers, voice and data networks

APC Smart-UPS SC is the perfect protection for the IT resources of your growing business. Manageable and cost effective, APC Smart-UPS SC is designed for use by small and medium companies looking to protect entry level servers and networking equipment, providing both power and data-line protection. Included PowerChute Business Edition management software allows you to configure safe system shutdowns and take advantage of advanced UPS management features like automated risk assessments and runtime capacity calculations. (All major operating systems supported). Communications are through your server's standard serial port. When you are ready to take your business to the next level you can use the same software environment found on Smart-UPS SC to seamlessly manage other Smart-UPS models, allowing you to grow your IT infrastructure without having to replace your software or retrain your administrators. Built on the same standards as the award winning Smart-UPS UPS, the Smart-UPS SC is the UPS to start your business with.

## Features & Benefits:

### MANAGEABILITY

**Network manageable:** Monitor and control the UPS remotely via included PowerChute software.

**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.

**Predictive 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:** Enables quick understanding and response to visual indicators showing UPS status.

**InfraStruXure Manager compatible:** Enables centralized management via APC's InfraStruXure Manager.

**Manage multiple UPSs:** View status and configure multiple UPSs simultaneously. Basic version supports up to 5 UPSs. Deluxe version supports up to 25 UPSs.

### ECONOMY

**Boost and Trim Automatic:** Gives higher application availability by correcting low and high voltage conditions without using the battery

**User-replaceable batteries:** Battery replacement is simple and safe, and can be performed by the end-user. A technician is not required to replace the PowerShield 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 quick recovery from UPS overload events.



*Brings Smart-UPS reliability to entry-level applications.*

For more information about APC's Smart-UPS SC products, go to [www.apc.com](http://www.apc.com)

**APC®**  
Legendary Reliability®

Technical Specifications	SC250RMI1U	SC450RMI1U	SC420I	SC620I	SC1000I	SC1500I
<b>Input</b>						
Nominal Input Voltage	230V					
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)					
Input Connections Type	IEC-320 C14					
<b>Output</b>						
Output Power Capacity	165 Watts / 250 VA	280 Watts / 450 VA	260 Watts / 420 VA	390 Watts / 620 VA	600 Watts / 1000 VA	865 Watts / 1500 VA
Max Configurable Power	165 Watts / 250 VA	280 Watts / 450 VA	260 Watts / 420 VA	390 Watts / 620 VA	600 Watts / 1000 VA	865 Watts / 1500 VA
Nominal Output Voltage	230V					
Output Voltage Distortion	< 5% at full load					
Output Frequency	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal					
Crest Factor	5 : 1					
Waveform Type	Stepped approximation to a sinewave					
Output Connections	(4) IEC 320 C13 (2) IEC Jumpers		(3) IEC 320 C13 (2) IEC Jumpers		(4) IEC 320 C13 (2) IEC Jumpers	
<b>Batteries and Runtime</b>						
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof					
Typical Backup Time at Half Load	29.8 minutes (82.5 Watts)	19.4 minutes (140 Watts)	13.5 minutes (130 Watts)	15.7 minutes (195 Watts)	19.7 minutes (300 Watts)	20.9 minutes (432.5 Watts)
Typical Backup Time at Full Load	8.9 minutes (165 Watts)	5.9 minutes (280 Watts)	5.5 minutes (260 Watts)	5.5 minutes (390 Watts)	7.4 minutes (600 Watts)	7.6 minutes (865 Watts)
<b>Communications and Management</b>						
Interface Port(s)	DB-9 RS-232					
Control panel LED status display with	On Line : On Battery : Replace Battery and Overload indicators					
Audible Alarm	on battery : distinctive low battery alarm : overload continuous tone alarm					
<b>Physical</b>						
Net Weight	19.60 lbs. (8.91 kg)	22.40 lbs. (10.18 kg)	20.00 lbs. (10.00 kg)	27.00 lbs. (12.27 kg)	36.00 lbs. (16.36 kg)	47.00 lbs. (21.36 kg)
Net Height	1.72 inches (44 mm)		6.60 inches (168 mm)		3.50 inches (89 mm)	
Net Width	17.00 inches (432 mm)		4.70 inches (119 mm)		17.00 inches (432 mm)	
Net Depth	15.08 inches (383 mm)		14.50 inches (368 mm)		18.24 inches (463 mm)	
Color	Grey					
Shipping Weight	23.00 lbs. (10.45 kg)	25.80 lbs. (11.73 kg)	22.50 lbs. (10.91 kg)	29.00 lbs. (13.18 kg)	43.00 lbs. (19.55 kg)	54.00 lbs. (24.55 kg)
Shipping Height	6.46 inches (164 mm)		12.50 inches (318 mm)		10.00 inches (254 mm)	
Shipping Width	18.73 inches (476 mm)		10.30 inches (262 mm)		24.00 inches (610 mm)	
Shipping Depth	23.17 inches (589 mm)		20.00 inches (508 mm)		24.00 inches (610 mm)	
<b>Environmental</b>						
Audible Noise	1 meter from surface of unit 38 dBA		1 meter from surface of unit 45 dBA			
Operating Relative Humidity	0 - 95%					
Operating Elevation	0-10000 feet (0-3000 meters)					
Storage Temperature	-15 - 45 °C (5 - 113 °F)					
Storage Relative Humidity	0 - 95%					
Storage Elevation	0-50000 feet (0-15000 meters)					
<b>Conformance</b>						
Regulatory Approvals	C-tick,CE,GOST,VDE					
Standard Warranty	2 years repair or replace					

APC's quality system is certified by ISO 9001 standards



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