ComX Computers
Product Specification Sheet

SMC1000I-2U

APC Smart-UPS C 1000VA 2U Rack mountable LCD 230V

Product Overview

APC Smart-UPS C 1000VA 2U Rack mountable LCD 230V





Specifications

Features:

Green mode
Patent-pending operating mode that bypasses unused electrical components in good power conditions to achieve very high operating efficiency without sacrificing any protection.

Pure sine wave output on battery
Simulates utility power to provide the highest degree of compatibility for active PFC (power factor corrected) servers and sensitive electronics.

High online efficiency
Reduces utlility costs, generates less heat.

Cold-start capable
Provides temporary battery power when the utility power is out.

Temperature-compensated battery charging
Prolongs battery life by regulating the charge voltage according to battery temperature.

LCD Status Display
Provides key UPS status at a glance. Multiple status indicators with load and battery bar graphs.

Boost and Trim Automatic Voltage Regulation (AVR)
Gives higher application availability by correcting low and high voltage conditions without using the battery (not available on all models).

Intelligent battery management
Maximizes battery performance, life, and reliability through intelligent, precision charging.

Power conditioning
Protects connected loads from surges, spikes, lightning, and other power disturbances.

Temperature-compensated battery charging
Prolongs battery life by regulating the charge voltage according to battery temperature.

Automatic restart of loads after UPS shutdown
Automatically starts up the connected equipment upon the return of utility power.

Automatic self-test
Periodic battery self-test ensures early detection of a battery that needs to be replaced.

Disconnected battery notification
Warns when a battery is not available to provide backup power.

Network manageable
Provides remote power 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.

LED status indicators
Quickly understand unit and power status with visual indicators.

Serial Connectivity
Provides management of the UPS via a serial port.

USB connectivity
Provides management of the UPS via a USB port (not available on all models).

Disconnected battery notification
Warns when a battery is not available to provide backup power.

User-replaceable batteries
Increases availability by allowing a trained user to perform upgrades and replacements of the batteries reducing Mean Time to Repair (MTTR)

Hot-swappable batteries
Ensures clean, uninterrupted power to protected equipment while batteries are being replaced

Predictive failure notification
Provides early-warning fault analysis ensuring proactive component replacement.

Resettable circuit breakers
Enables a quick recovery from overload events.

Battery failure notification
Provides early-warning fault analysis on batteries enabling timely preventive maintenance

Adjustable voltage-transfer points
Maximizes useful battery life by widening the input voltage window or tightening the output voltage regulation.

Adjustable voltage sensitivity
Provides the ability to adapt the UPS for optimal performance in specific power environments or generator applications.

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.

Specifications:

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Specifications	
Product Code	SMC1000I-2U
Output	
Output Power Capacity	600 Watts / 1000 VA
Max Configurable Power	600 Watts / 1000 VA
Nominal Output Voltage	230V
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	57 - 63 Hz for 60 Hz nominal
Topology	Line Interactive
Waveform Type	Sine wave
Output Connections	(4) IEC 320 C13
	(2) IEC Jumpers
Input	
Nominal Input Voltage	230V
Input Frequency	50 / 60 Hz + / - 3 Hz (auto sensing)
Input Connections	IEC-320 C14
Input voltage range for main operations	180 - 287V
Input voltage adjustable range for mains operation	170 - 300V
Batteries & Runtime	
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time	3 hour(s)
Replacement Battery	APCRBC124, APCRBC124J
RBC Quantity	1
Energy Use / Efficiency	

Load	0.25
	0.5
	0.75
	1
Efficiency	0.935
	0.963
	0.971
	0.974
Communications & Management	
Interface Port(s)	USB
Control panel	Multi-function LCD status and control console
Audible Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off (EPO)	--
Surge Protection and Filtering	
Surge energy rating	459 Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
Physical	
Maximum Height	89.00 mm
Maximum Width	432.00 mm
Maximum Depth	406.00 mm
Rack Height	2U
Net Weight	20.52 KG
Shipping Weight	22.33 KG
Shipping Height	241.00 mm
Shipping Width	546.00 mm
Shipping Depth	584.00 mm
Color	Black
Units per Pallet	16
Environmental	
Operating Environment	0 - 40 degreesC
Operating Relative Humidity	0 - 95%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 degreesC
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters

Audible noise at 1 meter from surface of unit	42.00 dBA
Online Thermal Dissipation	46.00 BTU / hr
Conformance	
Regulatory Approvals	C-tick, CE, GOST, VDE
Sustainable Offer Status	
RoHS	Compliant
REACH	REACH: Contains No SVHCs

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/SMC1000I-2U-APC-Smart-UPS-C-1000VA-2U-Rack-mountable-LCD-230V-p-86073.php

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