ComX Computers
Product Specification Sheet

SUA1000I

APC Smart-UPS 1000VA USB & Serial 230V

Product Overview

APC Smart-UPS 1000VA USB & Serial 230V, line interactive with AVR+power conditioning, 1000VA; with monitoring software, USB+serial interface, with smart slot.



Specifications

Features:

Availability

- 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.

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.
- 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.

Serviceability

- 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

Adaptability

- 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

- 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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Product Code	SUA1000I
Specifications	
Output	
Output Power Capacity	670 Watts / 1000 VA
Max Configurable Power	670 Watts / 1000 VA
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
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
Topology	Line Interactive
Waveform Type	Sine wave
Output Connections	(8) 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	160 - 286V
Input voltage adjustable range for mains operation	151 - 302V
Batteries & Runtime	
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time	3 hour(s)

Replacement Battery	RBC6
RBC Quantity	1
Communications & Management	
Interface Port(s)	DB-9 RS-232, SmartSlot, USB
Available SmartSlot Interface Quantity	1
Control panel	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 : configurable delays
Emergency Power Off (EPO)	Optional
Surge Protection and Filtering	
Surge energy rating	320 Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
Physical	
Maximum Height	216.00 mm
Maximum Width	170.00 mm
Maximum Depth	439.00 mm
Net Weight	18.86 KG
Color	Black
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	41.00 dBA
Online Thermal Dissipation	100.00 BTU/hr
Conformance	
Regulatory Approvals	C-tick, CE, EN 50091-1, EN 50091-2, GOST, VDE
Sustainable Offer Status	
RoHS	Compliant
REACH	REACH: Contains No SVHCs
Other Environmental Compliance	China RoHS

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/SUA1000I-APC-Smart-UPS-1000VA-USB-Serial-230V-p-69366.php

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