Smart-UPS
APC Smart-UPS 1000VA USB & Serial 120V

APC Smart-UPS, 670 Watts / 1000 VA, Input 120V / Output 120V, Interface Port DB-9 RS-232, SmartSlot, USB

Includes: CD with software, Smart UPS signalling RS-232 cable, USB cable, User Manual

Standard Lead Time: Usually in Stock

SUA1000 Features

USB Connectivity	Provides management of the UPS via a USB port (not available on all models).
Front-access servicing	Simplifies installation and maintenance while minimizing space requirements.

Smart-UPS Features & Benefits

Availability	
Boost and Trim Automatic Voltage Regulation (AVR)	Gives higher application availability by correcting low and high voltage conditions without using the battery.
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.
Cold-start capable	Provides temporary battery power when the utility power is out.
Disconnected battery notification	Warns when a battery is not available to provide backup power.
Generator Compatible	Ensures clean, uninterrupted power to protected equipment when generator power is used.
Manageability	
Network manageable	Provides remote management of the UPS over the network.
SmartSlot	Customize UPS capabilities with management cards.
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.
InfraStruXure Manager Compatible	Enables centralized management via the APC InfraStruXure® Manager.
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	Provides early-warning fault analysis ensuring proactive component

notification	replacement.
Resettable circuit breakers	Enables a quick recovery from overload events.
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.
Field-replaceable power distribution panel	Ensures compatibility with equipment that has different plug types.
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. UL, FCC, CE, C-Tick approvals.

Output

Output Power Capacity	670 Watts / 1000 VA
Max Configurable Power	670 Watts / 1000 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	Sine wave
Output Connections	(8) 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	3 hour(s)
Replacement Battery	RBC6
RBC™ Quantity	1
Typical Backup Time at Half Load	20.6 minutes (335 Watts)
Typical Backup Time at Full Load	6.1 minutes (670 Watts)
Runtime Chart	Smart-UPS

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	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	216.00 mm
Maximum Width	170.00 mm
Maximum Depth	439.00 mm
Net Weight	19.09 KG
Shipping Weight	22.00 KG
Shipping Height	370.00 mm
Shipping Width	330.00 mm
Shipping Depth	580.00 mm
Color	Black
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	41.00 dBA
Online Thermal Dissipation	100.00 BTU/hr

Conformance

Regulatory Approvals	BSMI,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.