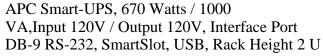


## **Smart-UPS**

# APC Smart-UPS 1000VA USB & Serial RM 2U 120V







**Includes**: CD with software, Rack Mounting brackets, Rack Mounting support rails, Smart UPS signalling RS-232 cable, USB cable, User Manual

Standard Lead Time: Usually in Stock

#### **SUA1000RM2U 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**

Hot-swappable

batteries

are being replaced

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 Disconnected battery notification	Provides temporary battery power when the utility power is out. 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 SmartSlot	Provides remote management of the UPS over the network.  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 Serial Connectivity	Quickly understand unit and power status with visual indicators.  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)

Ensures clean, uninterrupted power to protected equipment while batteries

Predictive failure Provides early-warning fault analysis ensuring proactive component notification replacement. Resettable circuit Enables a quick recovery from overload events. breakers Adaptability Adjustable voltage-Maximizes useful battery life by widening the input voltage window or transfer points tightening the output voltage regulation. Adjustable voltage Provides the ability to adapt the UPS for optimal performance in specific sensitivity power environments or generator applications. Field-replaceable Ensures compatibility with equipment that has different plug types. power distribution panel Safety Safety-agency Ensures the product has been tested and approved to work safely with the approved 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 (6) NEMA 5-15R



### **Input**

Nominal Input Voltage 120V

Input Frequency 50/60 Hz +/- 3 Hz (auto sensing)

Input Connections NEMA 5-15P

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Cord Length 2.44 meters

Input voltage range for main 82 - 144V

operations

Input voltage adjustable range for 75 - 154V

mains operation

#### **Batteries & Runtime**

Battery Type Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof

Typical recharge time 3 hour(s)

Replacement Battery RBC23

RBC<sup>TM</sup> Quantity 1

Typical Backup Time 29.9 minutes (335 Watts)

at Half Load

Typical Backup Time 8.8 minutes (670 Watts)

at Full Load

Runtime Chart Smart-UPS

## **Communications & Management**

Interface Port(s) DB-9 RS-232,SmartSlot,USB

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Available SmartSlot<sup>TM</sup> Interface

Quantity

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 89.00 mm

Maximum Width 432.00 mm

Maximum Depth 457.00 mm

Rack Height 2U

Net Weight 28.18 KG

Shipping Weight 31.45 KG

Shipping Height 251.00 mm

Shipping Width 594.00 mm

Shipping Depth 603.00 mm

Color Black

Units per Pallet 16.00

#### **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

45.00 dBA

Online Thermal Dissipation 89.00 BTU/hr

## Conformance

Regulatory Approvals	CSA,FCC Part 15 Class A,UL 1778

Standard Warranty 2 years repair or replace

<sup>\*\*</sup>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.