



### APC Smart-UPS 1000VA USB & Serial RM 2U 230V

APC Smart-UPS, 1000VA/670W,  
Input 230V/Output 230V, Interface Port DB-9  
RS-232, SmartSlot, USB, Rack Height 2 U  
Includes: CD with software, Rack Mounting  
Brackets, Rack Mounting support rails, Smart  
UPS signalling RS-232 cable, USB cable, User  
Manual



Part Number : **SUA1000RMI2U**

#### Over 10 million currently installed - the one you can trust

APC Smart-UPS® XL protects your data by supplying reliable, network-grade power with scalable run-time in tower and rack mount form factors. With optional, matching battery packs, run-time can be easily extended and optimized for the application. APC understands long run-time requirements so; Smart-UPS® XL's can be configured with up to 10 additional battery packs - for run-times exceeding 24 hours, if necessary. The convergence of voice and data networks is placing higher demands on availability expectations - and the Smart-UPS® XL delivers. Voice over Internet Protocol (VoIP), e-commerce, WiFi ("hotspots", WLAN/ WWAN, and mixed wireless), and data enabled PBX's are a few of the applications driving the need for Smart-UPS® XL. APC Smart-UPS® XL is also the perfect UPS for file servers (Intel or UNIX based), minicomputers, Network switches and hubs, ATM's, telecommunications systems and other mission-critical applications requiring longer runtime.

With included PowerChute® management software for servers and workstations, IT administrators can provide safe system shutdown and advanced UPS management (All major operating systems supported). Connectivity is through a serial or USB port (USB not standard on all models, see specific models for details). Additional manageability is available through the SmartSlot, an internal accessory slot that allows you to install optional accessories to enhance the performance of your UPS. Network connection with Web browser management and/or environmental monitoring, serial port expansion, and out-of-band management options are available. With pure sine-wave output ensuring compatibility with all connected devices, Intelligent Battery Management ensuring a highly available UPS and an advanced 16 segment bar graph display ensuring information and management, the Smart-UPS® XL is a UPS you can count on.

## Features & Benefits

### Availability

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 actual battery temperature.
Intelligent battery management	Provides higher availability through intelligent precision-charging that maximizes battery performance, life, and reliability.
Automatic restart of loads after UPS shutdown	Automatically starts up the connected equipment upon the return of utility power.
Automatic self-test	Ensures early detection of potential problems by periodic testing of UPS components.
Boost and Trim Automatic Voltage Regulation (AVR)	Preserves battery life and maximizes run time by correcting low and high voltage conditions without discharging the battery.
Cold-start capable	Provides temporary battery power when the utility power is out.
Generator compatible	Ensures clean, uninterrupted power to protected equipment when generator power is used.

### Manageability

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 UPS status with indicators.
Network manageable	Provides remote management of the UPS over the network.
Serial Connectivity	Provides management of the UPS via a serial port.

### Serviceability

Hot-swappable batteries	Ensures clean, uninterrupted power to protected equipment throughout battery replacement.
Predictive failure notification	Provides early-warning fault analysis ensuring proactive component replacement.
Resettable circuit breakers	Enables quick recovery from UPS overload events.

### Adaptability


Adjustable voltage-transfer points	Saves battery power and helps extend battery life.
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 product testing and approval to work safely with the connected loads and within the environment.
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## Technical Specifications

### Output

Output power capacity	1000 VA
Output power capacity	670 watts
Max Configurable Power	1000 VA
Max Configurable Power	670 watts
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)	47-53Hz for 50Hz nominal , 57-63Hz for 60Hz nominal
Crest Factor	up to 5 : 1
Waveform type	Sinewave
Output Connections	(4) IEC 320 C13  (2) IEC Jumpers

### Batteries & Runtime

Battery type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Replacement battery cartridge	RBC23
RBC™ Quantity	1
Typical backup time at half load	31.6 minutes (335 Watts)
Typical backup time at full load	9.1 minutes (670 Watts)
Runtime Chart	<a href="#">Smart-UPS</a>

### Input

Nominal input voltage	230V
Input frequency	50/60 Hz +/- 3 Hz (auto sensing) Hz
Input Connection Type	IEC-320 C14
Input voltage range for main operations	160 - 280 V
Input voltage adjustable range for mains operation	151 - 302 V

### Surge Protection and Filtering

Surge energy rating	480 Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

**Communications & Management**

Interface port	DB-9 RS-232 , SmartSlot , USB
Available Smart Slot 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

 **Physical**

Maximum height	3.50 inches ( 89 mm )
Maximum width	19.00 inches ( 483 mm )
Maximum depth	18.00 inches ( 457 mm )
Rack Height	2 U
Net weight	62.00 lbs. ( 28.18 kg )
Shipping Weight	69.20 lbs. ( 31.45 kg )
Shipping Height	10.00 inches ( 254 mm )
Shipping Width	23.38 inches ( 594 mm )
Shipping Depth	23.75 inches ( 603 mm )
Color	Black
Units per Pallet	16.00

 **Environmental**

Operating Environment	0 - 40 °C ( 32 - 104 °F )
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 )
Online thermal dissipation	89 BTU/hr

 **Conformance**

Approvals	C-tick , EN 50091-1 , EN 50091-2 , GOST , VDE
Standard warranty	2 years repair or replace , optional on-site warranties available , optional extended warranties available