

## Smart-UPS

# APC Smart-UPS 2200VA USB & Serial RM 2U 120V



APC Smart-UPS, 1980 Watts / 2200 VA, Input 120V / Output 120V, Interface Port DB-9 RS-232, SmartSlot, USB, Rack Height 2 U

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



**Standard Lead Time:** Usually in Stock

## SUA2200RM2U Features

Replace Battery LED	An external Replace Battery LED informs the end-user that the battery needs to be replaced.
Pure sinewave battery backup	Prevents interruptions, lost pre-sets, missed DVR recordings, lost multimedia server data and premature projector bulb wear and tear when the power goes out.
Global safety approvals	UL60950, CSA60950, IEC60950, EN60950 safety approvals. Meets IEC 61000-4-5 Immunity To Surge, and GR-1089-CORE, Section 4, Lightning and AC Power Faults standards.
Field-replaceable power distribution panel	Ensures compatibility with equipment that has different plug types.
USB Connectivity	Provides management of the UPS via a USB port (not available on all models).
Plug-and-Play installation	

## Smart-UPS Features & Benefits

<b>Availability</b>	
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.
<b>Manageability</b>	
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.
<b>Serviceability</b>	
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.
<b>Adaptability</b>	
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.
<b>Safety</b>	
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	1980 Watts / 2200 VA	
Max Configurable Power	1980 Watts / 2200 VA	
Nominal Output Voltage	120V	
Efficiency at Full Load	95%	
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	
	(2) NEMA 5-20R	

# Input

Nominal Input Voltage	120V	
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)	
Input Connections	NEMA 5-20P	
Cord Length	2.44 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	<a href="#">RBC43</a>
RBC™ Quantity	1
Typical Backup Time at Half Load	15.7 minutes (990 Watts)

Typical Backup Time at Full Load	5.2 minutes (1980 Watts)
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Runtime Chart	<a href="#">Smart-UPS</a>
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## 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)	Yes

## 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

## Physical

Maximum Height	89.00 mm
Maximum Width	483.00 mm
Maximum Depth	660.00 mm
Rack Height	2U
Net Weight	43.64 KG
Shipping Weight	56.82 KG
Shipping Height	254.00 mm
Shipping Width	622.00 mm
Shipping Depth	980.00 mm
Color	Black
Units per Pallet	8.00

## 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	47.00 dBA
Online Thermal Dissipation	300.00 BTU/hr
Protection Class	--

## Conformance

Regulatory Approvals	BSMI,CSA,UL 1778,FCC Part 15 Class A
Standard Warranty	2 years repair or replace,optional on-site warranties available,optional extended warranties available
ROHS/WEEE Compliance	RoHS 7b Exemption

\*\*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.