

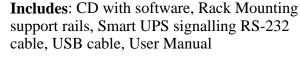
Smart-UPS

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





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

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 notification	Provides early-warning fault analysis ensuring proactive component 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 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 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 <u>RBC43</u>

RBCTM Quantity 1

Typical Backup Time 15.7 minutes (990 Watts)

at Half Load

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Typical Backup Time

at Full Load

5.2 minutes (1980 Watts)

Runtime Chart

Smart-UPS

Communications & Management

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

Available SmartSlotTM 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) 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

2U Rack Height

Net Weight 43.64 KG

56.82 KG Shipping Weight

254.00 mm Shipping Height

Shipping Width 622.00 mm

Shipping Depth 980.00 mm

Color Black

Units per Pallet 8.00

Environmental

0 - 40 °C **Operating Environment**

Operating Relative Humidity 0%

Operating Elevation 0-3000 meters

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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.