

### **Smart-UPS XL**

### APC Smart-UPS XL 2200VA RM 3U 120V





APC Smart-UPS XL, 1850 Watts / 1850 VA,Input 120V / Output 120V, Interface Port DB-9 RS-232, USB, SmartSlot, Extended runtime model, Rack Height 3 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

#### **SUA2200RMXL3U 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 XL Features & Benefits**

Availability	
Scalable runtime	Allows additional run time to be quickly added as needed.
Boost and Trim Automatic Voltage Regulation (AVR)	Gives higher application availability by correcting low and high voltage conditions without using the battery.
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.
Intelligent Battery Management	Maximizes battery performance, life, and reliability through intelligent, precision charging.
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.
T TID	

LED status indicators Quickly understand unit and power status with visual indicators.

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Disconnected battery Warns when a battery is not available to provide backup power. notification Serial Connectivity Provides management of the UPS via a serial port. Enables centralized management via the APC InfraStruXure® Manager. InfraStruXure Manager Compatible Serviceability User-replaceable Increases availability by allowing a trained user to perform upgrades and batteries replacements of the batteries reducing Mean Time to Repair (MTTR) Ensures clean, uninterrupted power to protected equipment while batteries Hot-swappable are being replaced batteries Predictive failure Provides early-warning fault analysis ensuring proactive component notification replacement. Resettable circuit Enables a quick recovery from overload events. breakers Adaptability Plug-and-Play external Ensures clean, uninterrupted power to the loads when adding extra runtime to batteries the UPS. 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. Safety Safety-agency Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment. approved

UL, FCC, CE, C-Tick approvals.

### **Output**

Output Power Capacity 1850 Watts / 1850 VA

Max Configurable Power 1980 Watts / 2200 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 (9) 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 82 - 147V

operations

Input voltage adjustable range for 75 - 154V

mains operation

Transfer Time 2-4 ms

#### **Batteries & Runtime**

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

Typical recharge time 3 hour(s)

Replacement Battery <u>APCRBC105</u>

RBC<sup>TM</sup> Quantity 1

Typical Backup Time 29.4 minutes (925 Watts)

at Half Load

Typical Backup Time 8.2 minutes (1850 Watts)

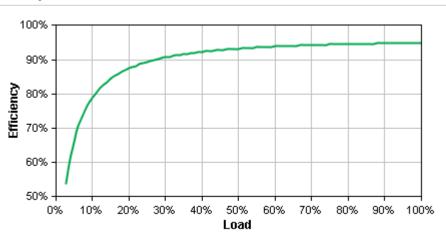
at Full Load

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Runtime Chart Smart-UPS XL

Extended Run Options APC Smart-UPS XL 2200VA RM 3U 120V

#### **Energy Use/Efficiency**



Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and resistive load output.

View Enlarged Chart

### **Communications & Management**

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

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 880 Joules

Filtering Full time multi-pole noise filtering: 0.3% IEEE surge let-through: zero clamping

response time: meets UL 1449

Data Line Protection ---

### **Physical**

Maximum Height 133.00 mm

Maximum Width 483.00 mm

Maximum Depth 660.00 mm

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Rack Height	3U
Net Weight	59.55 KG
Shipping Weight	69.55 KG
Shipping Height	305.00 mm
Shipping Width	610.00 mm
Shipping Depth	813.00 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	53.00 dBA
Online Thermal Dissipation	375.00 BTU/hr

# Conformance

Regulatory Approvals	CSA,FCC Part 15 Class A,UL 1449,UL 1778
Standard Warranty	2 years repair or replace,optional on-site warranties available,optional extended warranties available

<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.