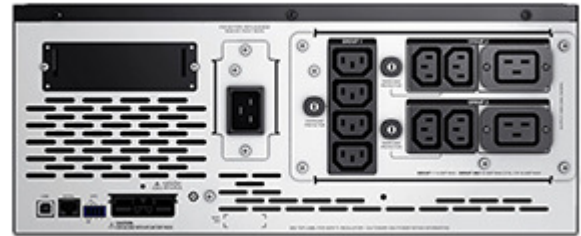**APC Smart-UPS X 2200VA Rack/Tower LCD 200-240V**
Part Number: SMX2200HV

Technical Specifications   Product Overview   Documentation   Software & Firmware   Options   Ratings and Reviews

Output

Output Power Capacity	1980 Watts / 2200 VA
Max Configurable Power	1980 Watts / 2200 VA
Nominal Output Voltage	230V
Output Voltage Distortion	Less than 5%
Output Frequency (sync to mains)	50/60Hz +/- 3 Hz
Other Output Voltages	208, 220, 240
Topology	Line Interactive
Waveform Type	Sine wave
Output Connections	(8) IEC 320 C13
	(2) IEC 320 C19
	(2) IEC Jumpers

Input

Nominal Input Voltage	208V, 230V
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input Connections	IEC-320 C20
	Schuko CEE 7 / EU1-16P
	British BS1363A
Cord Length	1.83 meters
Input voltage range for main	140 - 280V

operations

Other Input Voltages	220, 240
Transfer Time	2-4 ms

Batteries & Runtime

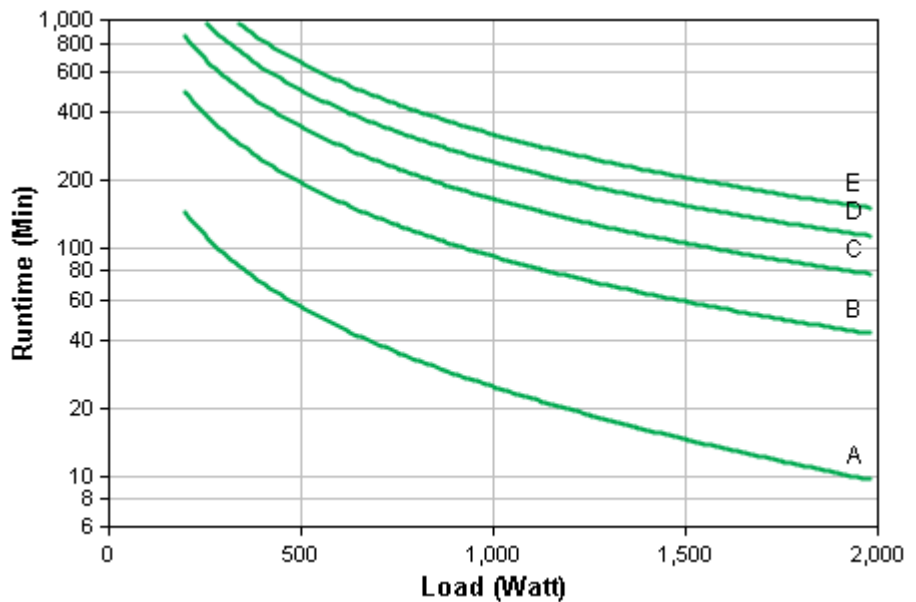|	
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Typical recharge time	3 hour(s)
Replacement Battery	APCRBC143
RBC™ Quantity	1
Extended Run Options	APC Smart-UPS X 2200VA Rack/Tower LCD 200-240V
Runtime Graph	

Curve	Part Number(s)
A	SMX2200HV
B	SMX2200HV + (1)SMX120BP
C	SMX2200HV + (2)SMX120BP
D	SMX2200HV + (3)SMX120BP
E	SMX2200HV + (4)SMX120BP

Hover over the line on the graph above to view the runtime at any desired load

Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.
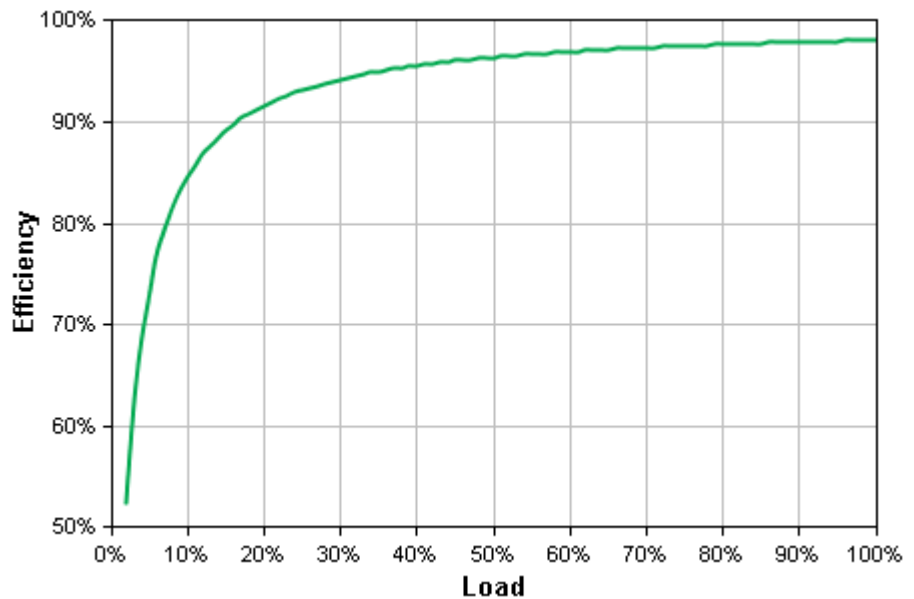
View Enlarged Graph   View Runtime Chart

Energy Use/Efficiency

Load	Efficiency

25%	93.2%
50%	96.4%
75%	97.5%
100%	98.1%

Hover over the line on the graph above to view the efficiency at any desired load

Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

Communications & Management

Interface Port(s)	SmartSlot, USB
Available SmartSlot™ Interface Quantity	1
Control panel	LED status display with On Line : On Battery : Replace Battery and Overload indicators, Multi-function LCD status and control console
Audible Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off (EPO)	Yes

Surge Protection and Filtering

Surge energy rating	645 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	432.00 mm
Maximum Width	178.00 mm
Maximum Depth	483.00 mm
Rack Height	4U
Net Weight	38.64 KG

Shipping Weight	47.73 KG
Shipping Height	330.00 mm
Shipping Width	586.00 mm
Shipping Depth	633.00 mm
Color	Black
Units per Pallet	6.00
# of Layers per Pallet	4
# of Units per Layer per Pallet	2
Pallet Weight	388.69 KG

Environmental

Operating Environment	0 - 40 ℃
Operating Relative Humidity	0 - 95%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 ℃
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	55.00 dBA
Online Thermal Dissipation	150.00 BTU/hr

Conformance

Regulatory Approvals	C-tick, CE, CSA, EN 50091-1, EN 50091-2, FCC Part 15 Class A, GOST, IEC 60950, IRAM, UL 1778, VDE
Standard Warranty	optional extended warranties available, 3 years repair or replace (excluding battery) and 2 year for battery

Sustainable Offer Status

RoHS	Compliant
REACH	REACH: Contains No SVHCs

**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.