



APC Smart-UPS RT 8000VA RM 230V
Part Number: SURT8000RMXLI



[Technical Specifications](#) [Product Overview](#) [Documentation](#) [Software & Firmware](#) [Options](#) [Ratings and Reviews](#)

Output

Output Power Capacity	6400 Watts / 8000 VA
Max Configurable Power	6400 Watts / 8000 VA
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load	93.0%
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1
Other Output Voltages	220, 240
Crest Factor	3 : 1
Topology	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 3-wire (H N + G) (4) IEC 320 C13 (4) IEC 320 C19 (6) IEC Jumpers
Bypass	Internal Bypass (Automatic and Manual)



Input

Nominal Input Voltage	230V
Input Frequency	50/60 Hz +/- 5 Hz (auto sensing)

Input Connections Hard Wire 3 wire (1PH+N+G)
Hard Wire 5-wire (3PH + N + G)

Input voltage range for main operations 160 - 280V

Other Input Voltages 220, 240

Input Total Harmonic Distortion Less than 7% for full load

Batteries & Runtime

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

Included Battery Modules 4

Typical recharge time 2.20 hour(s)

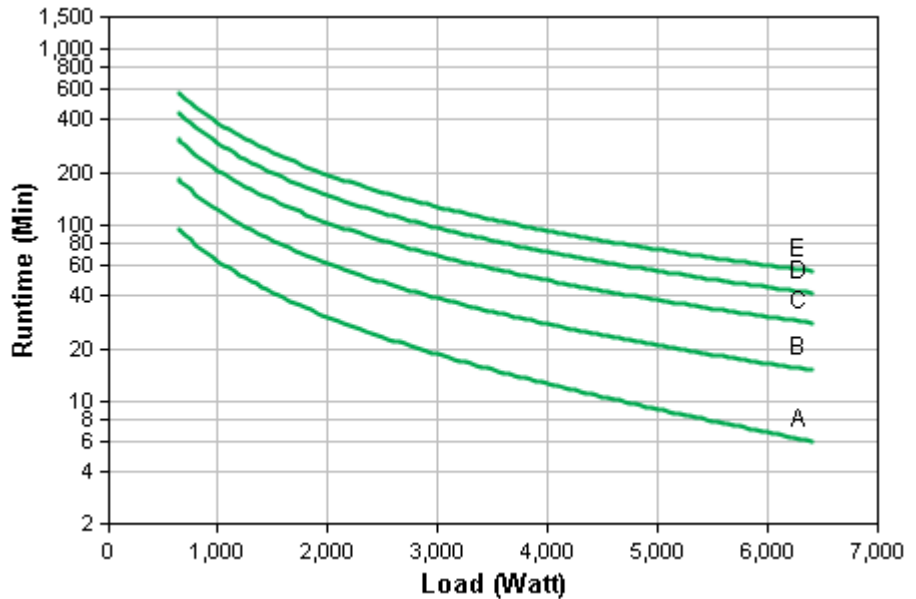
Replacement Battery [RBC44](#)

RBC™ Quantity 2

Extended Run Options [APC Smart-UPS RT 8000VA RM 230V](#)

Runtime Graph

Curve	Part Number(s)
A	SURT8000RMXLI
B	SURT8000RMXLI + (1)SURT192RMXLBP
C	SURT8000RMXLI + (2)SURT192RMXLBP
D	SURT8000RMXLI + (3)SURT192RMXLBP
E	SURT8000RMXLI + (4)SURT192RMXLBP
F	SURT8000RMXLI + (5)SURT192RMXLBP
G	SURT8000RMXLI + (6)SURT192RMXLBP
H	SURT8000RMXLI + (8)SURT192RMXLBP
I	SURT8000RMXLI + (10)SURT192RMXLBP



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](#)

Communications & Management

Interface Port(s)	DB-9 RS-232, RJ-45 10/100 Base-T, Smart-Slot
Pre-Installed SmartSlot™ Cards	AP9631
Control panel	LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : Overload and Bypass Indicators
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
Emergency Power Off (EPO)	Yes

Surge Protection and Filtering

Surge energy rating	1265J Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

Physical

Maximum Height	263.00 mm
Maximum Width	432.00 mm
Maximum Depth	736.00 mm
Rack Height	6U
Net Weight	110.92 KG
Shipping Weight	129.10 KG
Shipping Height	552.00 mm
Shipping Width	597.00 mm
Shipping Depth	991.00 mm
Color	Black
Units per Pallet	1.00

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	0 - 95% no%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0 - 95% no%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	55.00 dBA
Online Thermal Dissipation	1603.00 BTU/hr
Protection Class	IP 20

Conformance

Regulatory Approvals	C-tick, CE, EN 50091-1, EN 50091-2, EN 55022 Class A, EN 60950, EN 61000-3-2, GOST, VDE
Standard Warranty	2 years repair or replace

Sustainable Offer Status

RoHS	Compliant
REACH	REACH: Contains No SVHCs
Battery Directive	Compliant
Battery Notes	Contains Lithium Coin Cell

**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.