



**APC Smart-UPS RT 10000VA 230V**  
**Part Number: SURT10000XLI**



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

### Output

Output Power Capacity	8000 Watts / 10 kVA
Max Configurable Power	8000 Watts / 10 kVA
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
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)

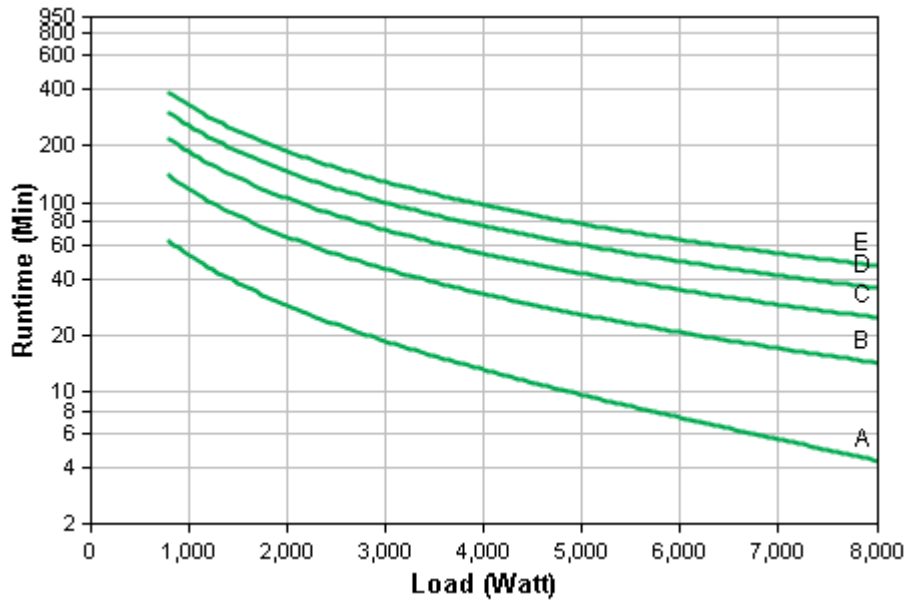
Replacement Battery [RBC44](#)

RBC™ Quantity 2

Extended Run Options [APC Smart-UPS RT 10000VA 230V](#)

Runtime Graph

Curve	Part Number(s)
A	SURT10000XLI
B	SURT10000XLI + (1)SURT192XLBP
C	SURT10000XLI + (2)SURT192XLBP
D	SURT10000XLI + (3)SURT192XLBP
E	SURT10000XLI + (4)SURT192XLBP
F	SURT10000XLI + (5)SURT192XLBP
G	SURT10000XLI + (6)SURT192XLBP
H	SURT10000XLI + (7)SURT192XLBP
I	SURT10000XLI + (10)SURT192XLBP



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

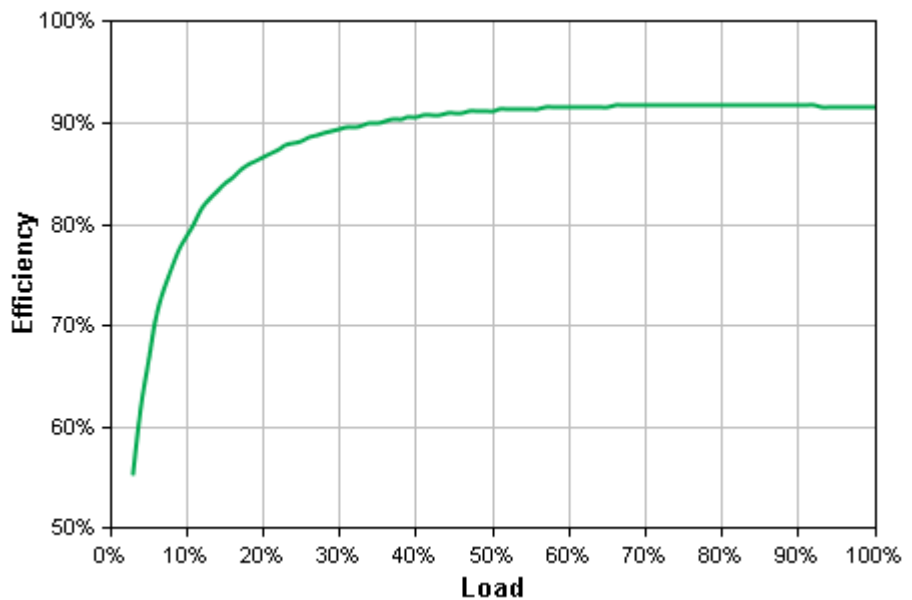
Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

[View Runtime Chart](#)

## Energy Use/Efficiency

Load	Efficiency
25%	88.3%
50%	91.3%
75%	91.8%
100%	91.6%



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)	DB-9 RS-232, RJ-45 10/100 Base-T, Smart-Slot
Pre-Installed SmartSlot™ Cards	<a href="#">AP9631</a>
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	432.00 mm
Maximum Width	263.00 mm
Maximum Depth	736.00 mm
Rack Height	6U
Net Weight	110.91 KG
Shipping Weight	129.09 KG
Shipping Height	552.00 mm
Shipping Width	597.00 mm
Shipping Depth	991.00 mm
Color	Black
Units per Pallet	2.00

## 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	2262.00 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
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Other Environmental Compliance: China RoHS  
\*\*Total Environmental Capacity: China RoHS  
discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.