

## APC Smart-UPS RT 10,000VA RM 230V

Part Number: SURT10000RMXLI





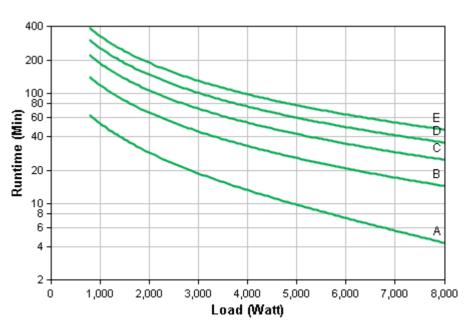
Technical Specifications Product Overview Documentation Software & Firmware Options Ratings and Reviews

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
Efficiency at Full Load	92.0%
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
	(A) IEO 000 040
	(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
	Maintenance-free sealed Lead-Acid battery with suspended electrolyte: leakproof
Battery Type	
Battery Type Included Battery Modules	4
Battery Type Included Battery Modules Typical recharge time	4 2.20 hour(s)

Curve	Part Number(s)
А	SURT10000RMXLI
В	SURT10000RMXLI + (1)SURT192RMXLBP
С	SURT10000RMXLI +
D	(2)SURT192RMXLBP SURT10000RMXLI + (3)SURT192RMXLBP
E	SURT10000RMXLI + (4)SURT192RMXLBP

Runtime Graph



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

View Enlarged Graph

View Runtime Chart

Interface Port(s)         DB-9 RS-232, RJ-45 10/100 Base-T, Smart-Slot           Pre-Installed SmartSlot™ Cards         AP9651           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 energy rating         1265J Joules           Filtering         1265J Joules           Physical           Maximum Height           Maximum Height         263.00 mm           Maximum Depth         736.00 mm           Maximum Depth         736.00 mm           Rack Height         6U           Shipping Weight         110.92 kG           Shipping Weight         552.00 mm           Shipping Depth         991.00 mm           Shipping Pallet         1.00           Environmental           Operating Environment         0 - 40 °C           Operating Elevation         0 - 3000 meters           Storage Temperature         -15.45 °C           Storage Televation         0 - 15000 meters           Storage Relative Humidity         0 - 2600 meters	Communications & Management		
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 Filterins           Surge energy rating         1265 Joules           Filtering         Full time multi-pole noise filtering : 0.3% IEEE surge lei-through : zero clamping response time : meets UL 1449           Physical           Maximum Height         263.00 mm           Maximum Width         432.00 mm           Maximum Depth         736.00 mm           Maximum Depth         736.00 mm           Net Weight         110.92 KG           Shipping Weight         129.10 KG           Shipping Weight         152.00 mm           Shipping Depth         991.00 mm           Color         Black           Units per Pallet         0.40 °C           Operating Elevation         0.95% no%           Operating Elevation         0.95% no%           Storage Temperature         15 - 45 °C           Storage Elevation         0.15000 meters           Storage Elevation         0.95% no%	Interface Port(s)	DB-9 RS-232, RJ-45 10/100 Base-T, Smart-Slot	
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 283.00 mm  Maximum Width 492.00 mm  Maximum Depth 796.00 mm  Maximum Depth 796.00 mm  Maximum Depth 110.92 KG Shipping Weight 129.10 KG Shipping Weight 552.00 mm  Shipping Weight 552.00 mm  Color Black Units per Pallet 1.00  Environmental  Operating Environment 0 - 40 °C Operating Relative Humidity 0 - 95% no% Operating Elevation 0-15000 meters  Storage Temperature 1-5 - 45 °C Storage Relative Humidity 0-15000 meters  Storage Elevation 0-15000 meters  Audible noise at 1 meter from surfaces 55.00 dBA of unit  Conformance  Regulatory Approvals C-lick, CE, EN 50091-1, EN 50091-3	Pre-Installed SmartSlot™ Cards	<u>AP9631</u>	
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 Depth         991.00 mm           Color         Black           Units per Pallet         1.00           Environmental           Operating Environment         0 - 40 ℃           Operating Elevation         0-3000 meters           Storage Temperature         -15 - 45 ℃           Storage Elevation         0 - 15000 meters           Audible noise at 1 meter from surface         50 dBA           of unit         262.00 BTU/hr           Procection Class         P 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Control panel	· · · · · · · · · · · · · · · · · · ·	
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         152.00 mm           Shipping Height         552.00 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 - 10000 meters           Audible noise at 1 meter from surface score         -15 - 45 °C           Storage Elevation         0 - 15000 meters           Audible noise at 1 meter from surface score         -15 - 45 °C </td <td>Audible Alarm</td> <td>Alarm when on battery: distinctive low battery alarm: overload continuous tone alarm</td>	Audible Alarm	Alarm when on battery: distinctive low battery alarm: overload continuous tone alarm	
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 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 Relative Humidity         0 - 95% no%           Storage Elevation         0 -15000 meters           Audible noise at 1 meter from surface 55.00 dBA         of unit           Online Thermal Dissipation         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Emergency Power Off (EPO)	Yes	
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 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 Relative Humidity         0 - 95% no%           Storage Elevation         0 -15000 meters           Audible noise at 1 meter from surface 55.00 dBA         of unit           Online Thermal Dissipation         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Surge Protection and Filtering	]	
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 55.00 dBA of unit         -15 - 45 °C           Online Thermal Dissipation         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3			
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 Depth         597.00 mm           Shipping Depth         991.00 mm           Color         Black           Units per Pallet         1.00           Environmental           Operating Environment         0 - 40 ℃           Operating Relative Humidity         0 - 95% no%           Operating Elevation         0-3000 meters           Storage Temperature         -15 - 45 ℃           Storage Relative Humidity         0 - 95% no%           Storage Elevation         0-15000 meters           Audible noise at 1 meter from surfaces 55.00 dBA of unit         0-15000 meters           Audible noise at 1 meter from surfaces 55.00 dBA of unit         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Filtering		
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 Depth         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 surfaces-5.00 dBA of unit         0-15000 meters           Online Thermal Dissipation         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Physical		
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 Relative Humidity         0 - 95% no%           Storage Elevation         0-15000 meters           Audible noise at 1 meter from surfaces 5.00 dBA           Online Thermal Dissipation         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Maximum Height	263.00 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 ℃           Operating Relative Humidity         0 - 95% no%           Operating Elevation         0.3000 meters           Storage Temperature         -15 - 45 ℃           Storage Relative Humidity         0 - 95% no%           Storage Elevation         0 - 15000 meters           Audible noise at 1 meter from surface 55.00 dBA of unit         - 15000 meters           Online Thermal Dissipation         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Maximum Width	432.00 mm	
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 55.00 dBA of unit         0-15000 meters           Audible noise at 1 meter from Surface 55.00 dBA of unit         P 20           Conformance         C-tick, CE, EN 50091-1, EN 50091-3	Maximum Depth	736.00 mm	
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 5.00 dBA of unit         0-15000 meters           Online Thermal Dissipation         2262.00 BTU/hr           Protection Class         IP 20           Conformance           Regulatory Approvals         C-tick, CE, EN 50091-1, EN 50091-3	Rack Height	6U	
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 Relative Humidity 0 - 95% no%  Onine Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Net Weight	110.92 KG	
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 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Shipping Weight	129.10 KG	
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 55.00 dBA of unit Online Thermal Dissipation 2262.00 BTU/hr Protection Class IP 20  Conformance Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Shipping Height	552.00 mm	
Color Black Units per Pallet 1.00  Environmental  Operating Environment 0 - 40 ℃ Operating Relative Humidity 0 - 95% no% Operating Elevation 0-3000 meters  Storage Temperature -15 - 45 ℃ Storage Relative Humidity 0 - 95% no% Storage Relative Humidity 0 - 95% no% Storage Elevation 0-15000 meters  Audible noise at 1 meter from surface 55.00 dBA of unit Online Thermal Dissipation 2262.00 BTU/hr Protection Class IP 20  Conformance Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Shipping Width	597.00 mm	
Units per Pallet  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 Relative Humidity 0 - 95% no%  Storage Relative Humidity 0 - 95% no%  Storage Elevation 0-15000 meters  Audible noise at 1 meter from surface 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Shipping Depth	991.00 mm	
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 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Color	Black	
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 55.00 dBA of unit       Online Thermal Dissipation         Online Thermal Dissipation       2262.00 BTU/hr         Protection Class       IP 20         Conformance         Regulatory Approvals       C-tick, CE, EN 50091-1, EN 50091-3	Units per Pallet	1.00	
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 55.00 dBA of unit Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Environmental		
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 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Operating Environment	0 - 40 ℃	
Storage Temperature -15 - 45 °C  Storage Relative Humidity 0 - 95% no%  Storage Elevation 0-15000 meters  Audible noise at 1 meter from surface 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Operating Relative Humidity	0 - 95% no%	
Storage Relative Humidity 0 - 95% no%  Storage Elevation 0-15000 meters  Audible noise at 1 meter from surface 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Operating Elevation	0-3000 meters	
Storage Elevation 0-15000 meters  Audible noise at 1 meter from surface 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Storage Temperature	-15 - 45 ℃	
Audible noise at 1 meter from surface 55.00 dBA of unit  Online Thermal Dissipation 2262.00 BTU/hr  Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Storage Relative Humidity	0 - 95% no%	
of unit Online Thermal Dissipation 2262.00 BTU/hr Protection Class IP 20  Conformance Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Storage Elevation	0-15000 meters	
Protection Class IP 20  Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3		ce 55.00 dBA	
Conformance  Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Online Thermal Dissipation	2262.00 BTU/hr	
Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-3	Protection Class	IP 20	
	Conformance		
Standard Warranty 2 years repair or replace	Regulatory Approvals	C-tick, CE, EN 50091-1, EN 50091-3	
	Standard Warranty	2 years repair or replace	

Sustainable Offer Statu	S	
RoHS	Compliant	
REACH	REACH: Contains No SVHCs	
Battery Directive	Compliant	
Battery Notes	Contains Lithium Coin Cell	

<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.