

Product data sheet

Specifications



APC Smart-UPS RT 20kVA, 230/380...415V, LCD, rackmount, 7U

SRTG20KXLI

General

Provided equipment	Smart UPS signalling RS-232 cable
Performance multiplier	1
Number of tare power	195 W
Number of power module free slots	0
Number of power module filled slots	0
Redundant	No
Size UPS version	Internetworking
UPS size	S
Value multiplier	1

Physical

Number of rack unit	7U
Colour	Black
Depth	70.0 cm
Height	30.6 cm
Mounting location	Front
Mounting preference	Lower
Net weight	142.5 kg
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No
Width	440 mm

Input

Network frequency	40...70 Hz auto-sensing
Number of input connectors	1 hard wire 5 wire (3P + N + E) 1 hard wire 3-wire (1P + N + E)
Input voltage limits	160...285 V 380 V 380...415 V

Input voltage	220...240 V
Maximum input current	87 A
Switching current capacity	125 A
Input harmonic distortion	Less than 5 % for full load
Input current	87 A
Input voltage	380...415 V 3 phases 230 V
Load power factor	From 0.9 leading to 1 lagging

Output

Rated power in W	20000 W
Maximum configurable power in W	20000 W
Harmonic distortion	Less than 5 %
Output frequency	50/60 Hz +/- 0.1 Hz sync to mains
Output voltage	230 V
Crest factor	3 : 1
UPS type	Double conversion online
Wave type	Sine wave
Output connector type	Hard wire 5 wire (3P + N + E) 1 Hard wire 3-wire (1P + N + E) 1 IEC connector 3-wire (1P + N + E) 1
Output overload operation	60 seconds at 125% and 30 seconds at 150%
Bypass type	Built-in static bypass
Curve equation	Efficiency
Curve fixed loss	0.0138
Curve load maximum	100 %
Curve load minimum	2 %
Curve proportional loss	0.0164
Curve square loss	0.0207
Curve X-axis maximum	100 %
Curve test cond ID	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.
Curve X-axis minimum	0 %
Curve X-axis title	Load
Curve X-axis units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %
Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Efficiency	93 % (in battery operation)
Full load runtime	00:03:30 20000 W
Graph display	1
Half load runtime	00:09:30 10000 W
Output voltage	380...415 V 3 phases 230 V 1 phase

Maximum configurable power in VA	20000 VA
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Rated power in VA	20000 VA
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Conformance

Product certifications	CB
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Standards	EN/IEC 62040-2
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Environmental

Ambient air temperature for operation	0...40 °C
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Relative humidity	0...95 % non-condensing
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Operating altitude	0...3000 m
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Ambient air temperature for storage	-15...45 °C
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Storage Relative Humidity	0...95 % Non-condensing
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Storage altitude	0...15000 m
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Acoustic level	58 dBA
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Heat dissipation	3821 Btu/h
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Show note OP temperature	No
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IP degree of protection	IP20
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Batteries & Runtime

Battery type	Lead-acid battery
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Number of battery filled slots	0
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Number of battery free slots	0
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Battery recharge time	4 h
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Number of battery replacement quantity	0
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Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
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Liquid value	0
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Battery voltage	+/- 192 V
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Battery curve	D
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Battery charger power	2160 W rated
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Battery power in VAH	3265 VAh capacity 3265 VAh runtime
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Battery life	3...5 year(s)
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Battery option	SRTG192XLBP2 1 6912 VAh SRTG192XLBP2 2 10617 VAh SRTG192XLBP2 3 13824 VAh SRTG192XLBP2 4 17280 VAh
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Extended runtime	1
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Communications & Management

Free slots	0
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Preinstalled device	Network management card
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Control panel	Multifunction LCD status and control console
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Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
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Emergency power off	Yes
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Surge Protection and Filtering

Noise suppression	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
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Packing Units

Package 1 Weight	157.2 kg
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Package 1 Height	535 mm
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Package 1 width	590 mm
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Package 1 Length	790 mm
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Contractual warranty

Warranty	3 years repair or replace (excluding battery) and 2 years for battery
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