

Product data sheet

Specifications



APC Smart-UPS RT 20kVA, 208V,
LCD, rackmount, 14U, 12x 5-20R &
4x L6-20R & 1x L6-30R NEMA
outlets, w/transfo 208V to 120V

SURT20KRMXLT-TF5

Overview

Lead time	Usually Ships within 2 Weeks
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Main

Main Input Voltage	208 V AC 1 phase 240 V AC 1 phase
Product or component type	Uninterruptible power supply (UPS)
Main Output Voltage	120 V AC 1 phase 208 V AC 1 phase 240 V AC 1 phase
Rated power in W	16000 W
Rated power in VA	20000 VA
output connection type	12 NEMA 5-20R 4 NEMA L6-20R 1 NEMA L6-30R
Output connector type	Hard wire 3-wire (2P + E) 1
Number of rack unit	14U
Provided equipment	CD with software Rack mounting support rails Smart UPS signalling RS-232 cable User manual Web/SNMP management card
Range of product	Smart-UPS On-Line

Complementary

Battery type	Lead-acid internal included
UPS connectivity	Serial port Pre-installed network management card 3
Mounting mode	Rack-mounted with included kit

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Battery type	Lead-acid battery
Battery voltage	+/- 192 V (split battery referenced to neutral)
Extended runtime	1
Number of battery filled slots	4
Number of battery free slots	0

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Battery recharge time	2.5 h
Number of battery replacement quantity	4
Battery life	3...5 year(s)
Replacement battery	APCRBC140 
Discharge battery voltage	+/- 154 V
Battery charger power	1530 W rated

General

Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
UPS type	Double conversion online

Physical

Colour	Black
Height	622 mm
Width	432 mm
Depth	773 mm
Net weight	290.91 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

Maximum input current	105 A
Input harmonic distortion	Less than 5 % for full load
Input Power Factor at Full Load	0.98
Switching current capacity	125 A
Input voltage limits	160...280 V
Number of input connectors	1 hard wire 3-wire (2P + E)
Network frequency	40...70 Hz auto-sensing

Output

Bypass type	Built-in static bypass Internal bypass (automatic and manual) Optional external bypass
Crest factor	3 : 1
Harmonic distortion	Less than 5 %
Maximum configurable power in VA	20000 VA
Maximum configurable power in W	16000 W

Output overload operation	60 seconds at 125% and 30 seconds at 150%
Wave type	Sine wave
Efficiency	93 % (in battery operation)
Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains

Conformance

Product certifications	UL 1778
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Environmental

Acoustic level	59 dBA
Heat dissipation	4320 Btu/h
Operating altitude	0...10000 ft
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-15...45 °C
Storage altitude	0...15240 m
IP degree of protection	IP20
Relative humidity	0...95 % non-condensing
Storage Relative Humidity	0...95 % non-condensing

Communications & Management

Emergency power off	Yes
Free slots	0
Preinstalled device	Network management card 2 with environmental monitoring

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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	124.4 cm
Package 1 Width	100.3 cm
Package 1 Length	61 cm
Package 1 Weight	364.27 kg

Contractual warranty

Warranty	2 years repair or replace
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Total lifecycle Carbon footprint	27752
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Energy efficiency	
Energy Efficiency Optimized	Energy efficient product

Use Again

Repack and remanufacture	
End of life manual availability	End of Life Information
Removable battery	User replaceable
Take-back	No

Image of product / Alternate images

Alternative

