

# 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

## Main

Main Input Voltage	208 V
Main Output Voltage	120 V 208 V
Kw Rating	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 (2PH + G) 1
Number of rack unit	14U
Battery type	Lead-Acid battery
Provided equipment	CD with software Rack Mounting support rails Smart UPS signalling RS-232 cable User Manual Web/SNMP Management Card

## Batteries & Runtime

Included Battery Modules	4
Battery Slots Empty	0
Typical recharge time	2.5 h
RBC Quantity	4
Battery voltage	+/-192 V (split battery referenced to neutral)
End of Discharge Battery Voltage	+/-154 V
Battery Charge Power (Watts)	1530 W rated
Battery power in VAH	3840 VAh runtime
Battery Life	3...5 year(s)
Replacement battery	<a href="#">APCRBC140</a>
Battery option	SURT192RMXLBP2 1 7680 VAh SURT192RMXLBP2 2 11520 VAh SURT192RMXLBP2 3 15360 VAh SURT192RMXLBP2 4 19200 VAh

SURT192RMXLBP2 5 23040 VAh  
 SURT192RMXLBP2 6 26880 VAh  
 SURT192RMXLBP2 7 30720 VAh  
 SURT192RMXLBP2 9 38400 VAh

Extendable Run Time	1
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## General

Number of power module free slots	0
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Number of power module filled slots	0
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Redundant	No
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## Physical

Color	Black
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Height	24.49 in (62.2 cm)
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Width	17.01 in (43.2 cm)
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Depth	30.43 in (77.3 cm)
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Net Weight	641.35 lb(US) (290.91 kg)
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Mounting Location	Front
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Mounting preference	Lower
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Mounting Mode	Rack-mounted
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Two post mountable	0
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USB compatible	No
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## Input

Input Frequency	40 - 70 Hz auto-sensing
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Number of input connectors	1 Hard Wire 3-wire (2PH + G)
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Efficiency at full load	160...280 V
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Maximum Input Current per Phase	105 A
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Switching current capacity	125 A
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Input Total Harmonic Distortion	Less than 5% for full load
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Input Power Factor at Full Load	0.98
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## Output

Max Configurable Power (Watts)	16000 W
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Harmonic distortion	Less than 5%
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Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 sync to mains
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Crest factor	3 : 1
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Topology	Double Conversion Online
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Waveform Type	Sine wave
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Overload Operation	60 seconds @ 125% and 30 seconds @ 150%
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Bypass type	Built-in Static Bypass Internal Bypass (Automatic and Manual) Optional External Bypass  93 % in battery operation)
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Maximum configurable power in VA	20000 VA
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## Conformance

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Product Certifications	UL 1778
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## Environmental

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Ambient air temperature for operation	32...104 °F (0...40 °C)
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Relative Humidity	0...95 % non-condensing
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Operating altitude	0...10000 ft
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Ambient Air Temperature for Storage	5...113 °F (-15...45 °C)
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Storage Relative Humidity	0...95 % non-condensing
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Storage altitude	0...50000 ft (0.00...15240.00 m)
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Acoustic level	59 dBA
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Heat dissipation	4320 Btu/h
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IP degree of protection	IP20
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## Communications & Management

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Free slots	0
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Pre-Installed SmartSlot™ Cards	Network management card 2 with environmental monitoring
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Emergency Power Off (EPO)	Yes
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## Surge Protection and Filtering

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Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : m
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## Ordering and shipping details

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GTIN	731304573487
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## Packing Units

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Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	48.98 in (124.4 cm)
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Package 1 Width	39.49 in (100.3 cm)
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Package 1 Length	24.02 in (61 cm)
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Package 1 Weight	803.08 lb(US) (364.27 kg)
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## Offer Sustainability

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Sustainable offer status	Green Premium product
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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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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REACH Regulation	<a href="#">REACH Declaration</a>
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EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
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Mercury free	Yes
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RoHS exemption information	<a href="#">Yes</a>
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<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>Optimized Energy Efficiency</b>	Energy efficient product
<b>Take-back</b>	Take-back program available

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### **Contractual warranty**

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<b>Warranty</b>	2 years repair or replace
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### **Recommended replacement(s)**