

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
Maximum Input Current per Phase	105 A
Input Total Harmonic Distortion	Less than 5% for full load
Cos phi	0.98
Switching current capacity	125 A
Efficiency at full load	160...280 V
Number of input connectors	1 Hard Wire 3-wire (2PH + G)
Input Frequency	40 - 70 Hz auto-sensing
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 (2PH + G) for 1 zone(s)
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
Max Configurable Power (Watts)	16000 W
Overload Operation	60 seconds @ 125% and 30 seconds @ 150%
Topology	On-Line
Waveform Type	Sine wave
Efficiency at full load	93 % in battery operation)
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 sync to mains

Complementary

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 Size	Lead-acid internal included
Emergency Power Off (EPO)	Yes
Free slots	0
Pre-Installed SmartSlot™ Cards	Network management card 2 with environmental monitoring
UPS connectivity	Serial port Pre-installed network management card 3
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : m
Number of rack unit	14U
color	Black
Height	24.5 in (622 mm)
Width	17.008 in (432 mm)
Depth	30.4 in (773 mm)
Net Weight	641.35 lb(US) (290.91 kg)
Mounting Location	Front
Mounting preference	Lower
Mounting Mode	Rack-mounted
Two post mountable	0
USB compatible	No
Mounting mode	Rack-mounted with included kit
Provided equipment	CD with software Rack Mounting support rails Smart UPS signalling RS-232 cable User Manual Web/SNMP Management Card
Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
Range of Product	Smart-UPS On-Line
Product or Component Type	Uninterruptible power supply (UPS)

Environment

Product Certifications	UL 1778
Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Ambient Air Temperature for Storage	5...113 °F (-15...45 °C)
Storage altitude	0...50000 ft (0...15240 m)
IP degree of protection	IP20
Relative Humidity	0...95 % non-condensing
Storage Relative Humidity	0...95 % non-condensing
Acoustic level	59 dBA
Heat dissipation	4320 Btu/h
Operating altitude	0...10000 ft

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)
Extendable Run Time	1
Included Battery Modules	4
Battery Slots Empty	0
Typical recharge time	2.5 h
RBC Quantity	4
Battery Life	3...5 year(s)
Replacement battery	APCRBC140 
End of Discharge Battery Voltage	+/-154 V
Battery Charge Power (Watts)	1530 W rated

Ordering and shipping details

GTIN	731304573487
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	49.0 in (124.4 cm)
Package 1 Width	39.5 in (100.3 cm)
Package 1 Length	24.02 in (61 cm)
Package weight(Lbs)	803.08 lb(US) (364.27 kg)

Contractual warranty

Warranty (in months)	24
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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	27 752 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4 434 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	49 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	23 226 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	43 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
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

Use Longer

 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
Recyclability potential, in %	65
Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	Yes

Image of product / Alternate images

Alternative

