

Product data sheet

Specifications



APC Smart-UPS RT 20kVA, 208V, LCD, rackmount, 16U, 2x L5-20R & 4x L6-20R & 2x L6-30R & 2x L14-30R NEMA outlets, w/transfo 208V to 120V

SURT20KRMXLT1TF10K

Overview

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage	208 V AC 1 phase
Other Input Voltages	240 V
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
Other Output Voltages	240 V
Rated power in W	16000 W
rated power in VA	20000 VA
output connection type	2 NEMA L5-20R 4 NEMA L6-20R 2 NEMA L6-30R 2 NEMA L14-30R
Output connector type	Hard Wire 4-wire (2PH+N+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)

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

Output Frequency (sync to mains) 50/60 Hz +/- 3 Hz user adjustable +/- 0.1 sync to mains

Complementary



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 USB 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	16U
color	Black
Height	27.9 in (708 mm)
Width	17.008 in (432 mm)
Depth	30.4 in (773 mm)
Net Weight	766.61 lb(US) (347.73 kg)
Mounting Location	Front
Mounting preference	Lower
Mounting Mode	Rack-mounted
Two post mountable	0
USB compatible	No
Mounting mode	Rack-mounted
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

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
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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)
End of Discharge Battery Voltage	+/-154 V
Battery Charge Power (Watts)	1530 W rated

Ordering and shipping details

GTIN	731304619352
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	55.0 in (139.6 cm)
Package 1 Width	39.5 in (100.3 cm)
Package 1 Length	24.02 in (61 cm)
Package weight(Lbs)	968.03 lb(US) (439.09 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

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

[Circularity Profile](#)

[End of Life Information](#)

Removable battery

User replaceable

Take-back

Yes