

Product datasheet

Specifications



APC Smart-UPS RT 20kVA,
230/400V, LCD, rackmount, 12U,
2x IEC Jumpers & 8x IEC 60320
C19 outlets

SURT20KRMXLI

Overview

Presentation	High density, double-conversion on-line power protection with scalable runtime.
Lead time	Usually in Stock


Main

Main Input Voltage	230 V 400 V 3 phases
Product or component type	Uninterruptible power supply (UPS)
Other Input Voltage	220 V 240 V
Main Output Voltage	230 V
Other Output Voltage	220 V 240 V
Rated power in W	16000 W
rated power in VA	20000 VA
output connection type	2 IEC Jumpers 8 IEC 60320 C19
Output connector type	Hard wire 3-wire (H N + E) 1 Hard wire 5-wire (3P + N + E) 1
Number of rack unit	12U
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

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
Battery recharge time	2.5 h
Number of battery replacement quantity	4

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

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	53.3 cm
Width	43.2 cm
Depth	77.3 cm
Net weight	247.73 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

Maximum input current	115 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
Input current	115 A (1 phase) 38.3 A per phase (3 phases)
Number of input connectors	1 hard wire 3-wire (1P + N + E) 1 hard wire 5-wire (3P + N + 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
Additional information	Configurable for 400 or 415 V 3 Phase nominal output voltage

Conformance

Product certifications	BSMI VDE
Standards	EN/IEC 62040-1:2019/A11:2021 EN/IEC 62040-2:2006/AC:2006 EN/IEC 62040-2:2018

Environmental

Acoustic level	59 dBA
Heat dissipation	3770 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	0.0000000000...15240.0000000000 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	99 cm
Package 1 Width	61 cm
Package 1 Length	100.3 cm
Package 1 Weight	314.09 kg
Unit Type of Package 2	PAL
Number of Units in Package 2	2
Package 2 Height	111 cm
Package 2 Width	100 cm

Package 2 Length	120 cm
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Package 2 Weight	626.864 kg
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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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **37662**

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**

SCIP Number **409c68a1-39a6-4e5f-b080-12befe783ad8**

REACH Regulation [REACH Declaration](#)

Energy efficiency

Optimized Energy Efficiency **Energy efficient product**

Use Again

Repack and remanufacture

Circularity Profile [End of Life Information](#)

Removable battery **User replaceable**

Take-back **Yes**

WEEE  **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Image of product / Alternate images

Alternative





