Product datasheet

Specifications

Green Premium™

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

SURT20KRMXLI

⊘ Discontinued

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

Batteries & Runtime

Run Time	View Runtime Graph ⤴
Efficiency	View Efficiency Graph ⤴
Battery Type	Lead-acid battery
Number Of Battery Filled Slots	4
Number Of Battery Free Slots	0
Battery Recharge Time	2.5 h
Number Of Battery Replacement Quantity	4
Battery Voltage	+/- 192 V (split battery referenced to neutral)

Discharge Battery Voltage	+/- 154 V
Battery Charger Power	1530 W rated
Battery Life	3…5 year(s)
Replacement Battery	APCRBC140 ↗
Extended Runtime	1

General

Ups Type	Double conversion online
Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	0
Redundant	No

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

Network Frequency	40...70 Hz auto-sensing
Number Of Input Connectors	1 hard wire 3-wire (1P + N + E) 1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	160...280 V
Maximum Input Current	115 A
Switching Current Capacity	125 A
Input Harmonic Distortion	Less than 5 % for full load
Input Current	115 A (1 phase) 38.3 A per phase (3 phases)
Input Power Factor At Full Load	0.98

Output

Maximum Configurable Power In Va	20000 VA
Maximum Configurable Power In W	16000 W
Output Frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains
Wave Type	Sine wave
Output Overload Operation	60 seconds at 125% and 30 seconds at 150%

Efficiency	93 % (in battery operation)
Harmonic Distortion	Less than 5 %
Crest Factor	3 : 1
Bypass Type	Built-in static bypass Internal bypass (automatic and manual) Optional external bypass
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

Ambient Air Temperature For Operation	0…40 °C
Relative Humidity	0…95 % non-condensing
Operating Altitude	0...10000 ft
Ambient Air Temperature For Storage	-15…45 °C
Storage Relative Humidity	0…95 % non-condensing
Storage Altitude	0.00…15240.00 m
Acoustic Level	59 dBA
Heat Dissipation	3770 Btu/h
Ip Degree Of Protection	IP20

Communications & Management

Free Slots	0
Preinstalled Device	Network management card 2 with environmental monitoring
Emergency Power Off	Yes

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

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
Package 2 Weight	626.864 kg

Contractual warranty

Warranty	2 years repair or replace

Sustainability ![Green Premium]

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Learn more >

Energy Efficient   Take-back   Transparency   RoHS/REACh

Resource performance

✅ Energy Efficient Product

✅ Take-Back Program Available

Well-being performance

✅ Mercury Free

✅ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Compliant

                                      EU RoHS Declaration

Environmental Disclosure   Product Environmental Profile

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

Circularity Profile   End of Life Information