Product datasheet

Specifications



APC Smart-UPS On-Line, 20kVA/ 20kW, Rack/Tower, 230V/380V... 415V, Hard wire 5-wire(3P+N+E) +3-wire(1P+N+E), Network Card, W/O rail kit

SRTG20KXLI

Main

Main input voltage	230 V AC 1 phase 400 V AC 3 phases
Other input voltage	380...415 V 220...240 V
Maximum input current	87 A
Input harmonic distortion	Less than 5 % for full load
Load power factor	From 0.9 leading to 1 lagging
Switching current capacity	125 A
Efficiency at full load	160...285 V full load 100...285 V half load
Input connection	1 hard wire 5 wire (3P + N + E) 1 hard wire 3-wire (1P + N + E)
Input frequency	40...70 Hz auto-sensing
Output voltage	230 V AC 1 phase 400 V AC 3 phases
Other output voltage	230 V
Rated power in W	20000 W
Rated power in VA	20000 VA
Output connection	1 IEC 60320
Output connection	Hard wire 5 wire (3P + N + E) for 1 zone(s) Hard wire 3-wire (1P + N + E) for 1 zone(s)
Bypass type	Internal bypass (automatic and manual)
Crest factor	3 : 1
Harmonic distortion	Less than 2 %
Maximum configurable power in VA	20000 VA
Maximum configurable power in W	20000 W
Output overload operation	60 seconds at 125% and 30 seconds at 150%
UPS topology	On-Line
Waveform type	Sine wave
Efficiency	94.5 %
Output frequency	50/60 Hz +/- 4 Hz sync to mains

Graphs

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

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage Configurable for 220 : 230 or 240 nominal output voltage
Battery type	Lead-acid external included
Emergency power off	Yes
Free slot	0
Preinstalled device	Network management card 3 with environmental monitoring
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
UPS connectivity	Serial port USB port Pre-installed network management card 3
Surge energy rating	600 J
Noise filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
Number of rack unit	7U
Color	Black (RAL 9005)
Height	306 mm
Width	440 mm
Depth	835 mm
Product weight	142.5 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	Yes
Mounting position	Horizontal
Mounting mode	Rack-mounted with kit sold separately
Provided equipment	1 x USB cable 1 x RJ45 cable 2 x rack mounting brackets 2 x stabilization/wall mounting feet 2 x installation manual 1 x C13-C14 power cord 1 x external battery pack 1 x battery cable
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 certification	CE UKCA TISI
Standard	EN/IEC 62040-1:2019/A11:2021 EN/IEC 62040-2:2006/AC:2006 EN/IEC 62040-2:2018
Ambient air temperature for operation	0…40 °C
Ambient air temperature for storage	-15…45 °C
Storage altitude	0…15000 m
IP protection	IP20
Relative humidity	0…95 % non-condensing
Storage relative humidity	0…95 % non-condensing
Acoustic level	58 dBA
Heat dissipation	3821 Btu/h
Operating altitude	0...3000 m

Batteries & Runtime

Battery type	Lead-acid battery
Battery voltage	+/- 192 V
Extendable runtime	1
Included battery module	0
Empty battery slot	0
Typical recharge time	4 h
RBC quantity	2
Battery life	3…5 year(s)
Battery charging power	2160 W rated

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	53.5 cm
Package 1 Width	79.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	157.2 kg

Contractual warranty

Warranty (in months)	36 UPS|24 Battery

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	**31 069 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 237 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**14 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**9 540 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**12 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**
SCIP Number	**080b8d64-796e-42e7-a17d-31b86e55d143**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Again

Repack and remanufacture

Recyclability potential, in %	**65**
End of life manual availability	**End of Life Information**
Removable battery	**User replaceable**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

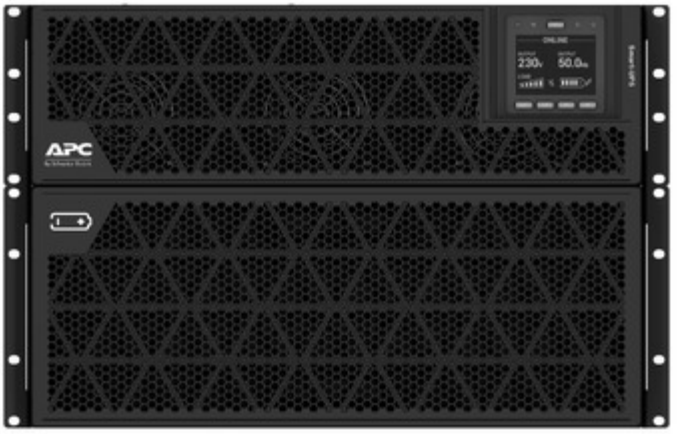
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Alternative









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