Product datasheet

Specifications

APC Smart-UPS RT 8kVA 230V



SRTG8KXLI

Main

Main input voltage	230 V AC 1 phase
Other input voltage	220 V 240 V
Maximum input current	30 A
Switching current capacity	40 A
Efficiency at full load	160...285 V full load 100...285 V half load
Input connection	1 hard wire 3-wire (1P + N + E)
Input frequency	40...70 Hz auto-sensing
Output voltage	230 V AC 1 phase
Other output voltage	220 V 240 V
Rated power in W	8000 W
Rated power in VA	8000 VA
Output connection	2 IEC 60320 1 IEC 60320
Output connection	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	8000 VA
Maximum configurable power in W	8000 W
UPS topology	On-Line
Waveform type	Sine wave
Efficiency	93.5 %
Output frequency	50/60 Hz +/- 4 Hz sync to mains
Replacement battery	APCRBC174

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Additional information	Configurable for 220 : 230 or 240 nominal output voltage
Battery type	Lead-acid external included
Emergency power off	Yes
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
Number of rack unit	5U
Color	Black (RAL 9005)
Height	217 mm
Width	440 mm
Depth	680 mm
Product weight	101.5 kg
Mounting preference	Lower
Mounting mode	Rack-mounted with kit
Two post mountable	0
USB compatible	Yes
Mounting position	Horizontal
Mounting mode	Rack-mounted with included kit
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	55 dBA
Heat dissipation	1774 Btu/h
Operating altitude	0...3000 m

Batteries & Runtime

Battery type	Lead-acid battery
Battery voltage	+/- 96 V
Extendable runtime	1
Included battery module	2
Empty battery slot	0
Typical recharge time	4 h
RBC quantity	2
Battery life	3…5 year(s)
Battery charging power	392 W rated

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	68.5 cm
Package 1 Width	59.4 cm
Package 1 Length	79.4 cm
Package 1 Weight	124.5 kg

Contractual warranty

Warranty (in months)	24 Battery|36 UPS

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	**31 871 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**786 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**38 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**26 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**0 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**119 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	**A64c500c-f72a-458b-8faa-8175a94429fe**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension

Repair	**No**

Use Again

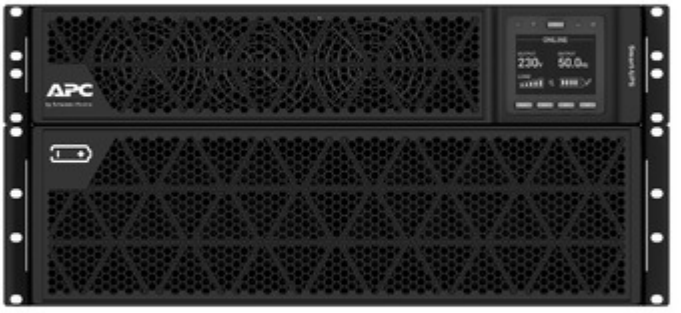
Repack and remanufacture

Recyclability potential, in %	**31**
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**

Image of product / Alternate images

Alternative





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