

Product datasheet

Specifications



APC Smart-UPS On-Line, 20kVA/
20kW, Rack/Tower, 230V/400V,
Hard wire 3-wire(1P+N+E)/ 5-
wire(3P+N+E), Network Card, No
battery, W/O rail kit

SURT20KUXIG-IN

Overview

Lead time Usually in Stock

Main

Main Input Voltage	230 V 1 phase 415 V 3 phases
Product or component type	Uninterruptible power supply (UPS)
Other Input Voltage	220...240 V
Main Output Voltage	230 V 1 phase 415 V 3 phases
Other Output Voltage	230 V
Rated power in W	20000 W
Rated power in VA	20000 VA
Output connector type	Hard wire 5 wire (3P + N + E) 1 Hard wire 3-wire (1P + N + E) 1 IEC connector 3-wire (1P + N + E) 1
number of rack unit	3U
Provided equipment	1 x installation guide 1 x safety guide 1 x Smart UPS signalling RS-232 cable
Range of product	Smart-UPS On-Line

Batteries & Runtime

Efficiency	View Efficiency Graph
Battery type	External battery system
Number of battery filled slots	0
Number of battery free slots	0
Number of battery replacement quantity	0
Battery voltage	+/- 192 V
Battery charger power	6074 W rated
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	13.1 cm
Width	44.0 cm
Depth	70.0 cm
Net weight	26.5 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 5 wire (3P + N + E) 1 hard wire 3-wire (1P + N + E)
Input voltage limits	160...285 V 380 V 380...415 V
Maximum input current	87 A
Switching current capacity	125 A
Input harmonic distortion	Less than 5 % for full load
Input current	87 A
Load power factor	From 0.9 leading to 1 lagging

Output

Maximum configurable power in VA	20000 VA
Maximum configurable power in W	20000 W
Output frequency	50/60 Hz +/- 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
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage

Conformance

Product certifications	CB
Standards	EN/IEC 60204-1 EN/IEC 60204-2

Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3000 m
Ambient air temperature for storage	-15...60 °C
Storage Relative Humidity	0...95 % non-condensing
Storage altitude	0...15000 m
acoustic level	58 dBA
Heat dissipation	3821 Btu/h
IP degree of protection	IP20

Communications & Management

Free slots	0
Preinstalled device	Network management card
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
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
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	240 mm
Package 1 Width	790 mm
Package 1 Length	590 mm
Package 1 Weight	35 kg

Contractual warranty

Warranty	2 years repair or replace
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Sustainability

Green Premium™ 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-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 **RoHS Exemption Information** Yes

Certifications & Standards

Eu RoHS Directive Compliant with Exemptions

China RoHS Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

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](#)