

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
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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
Battery voltage	+/- 192 V
Extended runtime	1
Number of battery filled slots	0
Number of battery free slots	0
Number of battery replacement quantity	0
Battery charger power	6074 W rated

General

Number of power module filled slots	0
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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

Number of power module free slots	0
Redundant	No
UPS type	Double conversion online

Physical

Colour	Black
Height	13.1 cm
Width	44.0 cm
Depth	75.7 cm
Net weight	26.5 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

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
Input voltage limits	160...285 V 380 V 380...415 V
Input current	87 A
Number of input connectors	1 hard wire 5 wire (3P + N + E) 1 hard wire 3-wire (1P + N + E)
Network frequency	40...70 Hz auto sensing

Output

Bypass type	Built-in static bypass
Crest factor	3 : 1
Harmonic distortion	Less than 5 %
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%
Wave type	Sine wave
Efficiency	93 % (in battery operation)
Output frequency	50/60 Hz +/- 0.1 Hz sync to mains
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage

Conformance

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

Acoustic level	58 dBA
Heat dissipation	3821 Btu/h
Operating altitude	0...3000 m
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-15...60 °C
Storage altitude	0...15000 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
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm

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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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	
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	5ee38369-4dfb-4636-ab65-b08aa3242891
REACH Regulation	REACH Declaration

Use Again


Repack and remanufacture	
Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	No
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





