

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), SmartSlot, No
battery, W/O rail kit

SURT20KUXIG-IN

Overview

Lead time Usually in Stock

Main

Main Input Voltage	230 V AC 1 phase 415 V AC 3 phases
Input voltage	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
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 voltage	230 V AC 1 phase 415 V AC 3 phases
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) for 1 zone(s) Hard wire 3-wire (1P + N + E) for 1 zone(s) IEC connector 3-wire (1P + N + E) for 1 zone(s)
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%
UPS type	Double conversion online
Wave type	Sine wave
Efficiency	93 % (in battery operation)

Output frequency	50/60 Hz +/- 0.1 Hz sync to mains
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Complementary

Battery type	External battery system
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Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
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Battery voltage	+/- 192 V
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Extended runtime	1
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Number of battery filled slots	0
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Number of battery free slots	0
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Number of battery replacement quantity	0
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Battery charger power	6074 W rated
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Battery type	Lead-acid external sold separately
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Emergency power off	Yes
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Free slots	0
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Preinstalled device	Network management card
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Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
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UPS connectivity	Serial port USB port
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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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Number of rack unit	3U
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Colour	Black
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Height	131 mm
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Width	440 mm
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Depth	757 mm
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Net weight	26.5 kg
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Mounting location	Front
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Mounting preference	Lower
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Mounting mode	Rack-mounted
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Two post mountable	0
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USB compatible	No
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Mounting mode	Rack-mounted with included kit
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Provided equipment	1 x installation guide 1 x safety guide 1 x Smart UPS signalling RS-232 cable
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Number of power module filled slots	0
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Number of power module free slots	0
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Redundant	No
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Range of product	Smart-UPS On-Line
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Product or component type	Uninterruptible power supply (UPS)
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Environment

Product certifications	CB
Standards	EN/IEC 60204-1 EN/IEC 60204-2
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
Acoustic level	58 dBA
Heat dissipation	3821 Btu/h
Operating altitude	0...3000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	24 cm
Package 1 Width	79 cm
Package 1 Length	59 cm
Package 1 Weight	35 kg

Contractual warranty

Warranty (in months)	24
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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

[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 Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

[End of Life Information](#)

Removable battery

User replaceable

Take-back

No

Image of product / Alternate images

Alternative





