

Product data sheet

Specifications



APC Smart-UPS VT rack mounted 20kVA 480V in, 208V out, w/2 batt mod. exp. to 5, w/PDU & startup

SUVTR20KG2B5S

⚠ Discontinued - Service only

⚠ Discontinued on: Jul 5, 2021

⚠ To be end-of-service on: Dec 31, 2031

Overview

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage	480 V 3 phases
Main Output Voltage	120 V 208 V 208 V 3 phases
Rated power in W	16000 W
rated power in VA	20000 VA
output connection type	5 NEMA L21-20
Output connector type	Hard wire 5-wire (3P + N + E) 1
Provided equipment	CD with software Network management card Power modules ship installed Smart UPS signalling RS-232 cable User manual Installation guide Start up included

Batteries & Runtime

Run Time	View Runtime Graph
Battery type	VRLA
Extended runtime	0
Number of battery filled slots	2
Number of battery free slots	3
Battery recharge time	3 h
Number of battery replacement quantity	2
Battery life	3...5 year(s)
Replacement battery	SYBT4
Battery charger power	1668 W rated

General

Number of power module filled slots 1

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	199.5 cm
Width	60 cm
Depth	107.5 cm
Net weight	768.18 kg
Mounting location	Front
Mounting preference	No preference
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

Input Power Factor at Full Load	0.98
Switching current capacity	40 A
Input voltage limits	408...552 V 480 V
Number of input connectors	1 hard wire 4-wire (3P + E)
Network frequency	40...70 Hz

Output

Bypass type	Built-in maintenance bypass Built-in static bypass
Crest factor	Unlimited
Harmonic distortion	Less than 5 % at full load
Maximum configurable power in VA	20000 VA
Maximum configurable power in W	16000 W
Maximum output current	61 A
Output overload operation	60 seconds at 125% and 30 seconds at 150%
Wave type	Sine wave
Efficiency	94.1 % (full load)
Output frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Additional information	Configurable for 200 : 208 or 220V 3 Phase nominal output voltage

Conformance

Product certifications	cUL listed UL 1778
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Environmental

Acoustic level	58 dBA
Heat dissipation	4238 Btu/h
Operating altitude	0...3333 ft
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-50...40 °C
Storage altitude	0...15240 m
NEMA degree of protection	NEMA 1
Relative humidity	0...95 %
Storage Relative Humidity	0...95 %

Communications & Management

Emergency power off	Yes
Free slots	0
Preinstalled device	Network management card 2 with environmental monitoring

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	199.5 cm
Package 1 Width	107.5 cm
Package 1 Length	60 cm
Package 1 Weight	803.18 kg

Contractual warranty

Warranty	1 year repair or replace, Start-Up Service
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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	
EU RoHS Directive	Compliant with Exemptions
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Use Again	
Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins