

Product data sheet

Specifications



APC Smart-UPS VT rack mounted
20kVA 480V in, 208V out w/3 batt
mod. exp. to 5, w/PDU & startup

SUVTR20KG3B5S

! Discontinued - Service only

! Discontinued on: Jul 5, 2021

! To be end-of-service on: Dec 31, 2030

Overview

Lead Time	Usually Ships within 2 Weeks
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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
Nb Of Power Socket Outlets	5 NEMA L21-20
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
Battery Type	VRLA
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
Number Of Battery Filled Slots	3
Number Of Battery Free Slots	2
Battery Recharge Time	3 h
Number Of Battery Replacement Quantity	3
Additional Information	Configurable for 200 : 208 or 220V 3 Phase nominal output voltage
Battery Charger Power	2453 W rated
Battery Power In Vah	7383 VAh runtime
Battery Life	3...5 year(s)
Replacement Battery	SYBT4

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

Battery Option	SYBT4 1 9854 VAh SYBT4 2 12318 VAh SUVTBXR6B6S 1 21899 VAh SUVTBXR6B6S 2 36622 VAh SUVTBXR6B6S 3 51388 VAh SUVTBXR6B6S 4 66518 VAh
Extended Runtime	0

General

Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	1
Redundant	No

Physical

Colour	Black
Height	199.5 cm
Width	60 cm
Depth	107.5 cm
Net Weight	859.1 kg
Mounting Location	Front
Mounting Preference	No preference
Mounting Mode	Rack-mounted
Two Post Mountable	0
Usb Compatible	No

Input

Network Frequency	40...70 Hz
Number Of Input Connectors	1 hard wire 4-wire (3P + E)
Input Voltage Limits	408...552 V 480 V
Switching Current Capacity	40 A
Input Power Factor At Full Load	0.98

Output

Maximum Configurable Power In W	16000 W
Harmonic Distortion	Less than 5 % at full load
Output Frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest Factor	Unlimited
Ups Type	Double conversion online
Wave Type	Sine wave
Output Overload Operation	60 seconds at 125% and 30 seconds at 150%
Bypass Type	Built-in maintenance bypass Built-in static bypass
Efficiency	93.8 % (full load)
Maximum Output Current	61 A

Maximum Configurable Power In Va	20000 VA
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Conformance

Product Certifications	cUL listed UL 1778
Standards	ISO 14001 ISO 9001

Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...3333 ft
Ambient Air Temperature For Storage	-50...40 °C
Storage Relative Humidity	0...95 %
Storage Altitude	0.00...15240.00 m
Acoustic Level	58 dBA
Heat Dissipation	4238 Btu/h
Nema Degree Of Protection	NEMA 1

Communications & Management

Free Slots	0
Preinstalled Device	Network management card 2 with environmental monitoring
Control Panel	Multifunction LCD status and control console
Alarm	Audible and visible alarms : configurable delays
Emergency Power Off	Yes

Packing Units

Package 1 Height	199.5 cm
Package 1 Width	60 cm
Package 1 Length	107.5 cm
Package 1 Weight	894.1 kg

Contractual warranty

Warranty	1 year repair or replace, Start-Up Service
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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- products. **Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Take-back Transparency RoHS/REACH

Resource performance

✓ Take-Back Program Available

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
Environmental Disclosure	Product Environmental Profile
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
Circularity Profile	End of Life Information