Product data sheet

Specifications

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

SUVTRT20KF3B5S

⚠ Discontinued

⚠ **Discontinued on:** Jul 5, 2021

⚠ **End-of-service on:** Oct 18, 2023

Overview

Lead Time	Usually Ships within 2 Weeks

Main

Main Input Voltage	208 V 3 phase
Other Input Voltage	220 V
Main Output Voltage	120 V 208 V 208 V 3 phase
Other Output Voltage	220 V
Kw Rating	16000 W
Rated Power In Va	20000 VA
Output Connection Type	5 NEMA L21-20
Output Connector Type	Hard Wire 5-wire (3PH + N + G) 1
Provided Equipment	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
Included Battery Modules	3
Battery Slots Empty	2
Rbc Quantity	3
Battery Charge Power (Watts)	738300 W rated
Battery Life	3…5 year(s)
Replacement Battery	SYBT4 ↗
Extendable Run Time	0

General

Topology	Double Conversion Online

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Physical

Color	Black
Height	78.54 in (199.5 cm)
Width	23.62 in (60 cm)
Depth	42.32 in (107.5 cm)
Net Weight	1893.97 lb(US) (859.09 kg)
Mounting Location	Front
Mounting Preference	No preference
Mounting Mode	Rack-mounted
Two Post Mountable	0
Usb Compatible	No

Input

Input Frequency	40 - 70 Hz
Number Of Input Connectors	1 Hard Wire 5-wire (3PH + N + G)
Efficiency At Full Load	177...239 V 208 V
Input Power Factor At Full Load	0.98

Output

Maximum Configurable Power In Va	20000 VA
Max Configurable Power (Watts)	16000 W
Output Frequency (Sync To Mains)	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Wave Type	Sine wave
Efficiency At Full Load	93 % full load)
Harmonic Distortion	Less than 5 % at full load
Crest Factor	Unlimited
Bypass Type	Built-in Maintenance Bypass Built-in Static Bypass
Additional Information	Configurable for 200 : 208 or 220V 3 Phase nominal output voltage

Conformance

Product Certifications	cUL Listed UL 1778

Environmental

Ambient Air Temperature For Operation	32…104 °F (0…40 °C)
Relative Humidity	0…95 %
Operating Altitude	0...3333 ft

Ambient Air Temperature For Storage	-58…104 °F (-50…40 °C)
Storage Relative Humidity	0…95 %
Storage Altitude	0…50000 ft (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
Pre-Installed Smartslot™ Cards	Network management card 2 with environmental monitoring
Emergency Power Off (Epo)	Optional

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	78.54 in (199.5 cm)
Package 1 Width	42.32 in (107.5 cm)
Package 1 Length	23.62 in (60 cm)
Package 1 Weight	1971.13 lb(US) (894.09 kg)

Contractual warranty

Warranty	1 year repair or replace

Sustainability

Green Premium^{TM} 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-CO_2 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 〉

Eu Rohs Directive	Under investigation