

Product data sheet

Specifications



APC Smart-UPS VT 20KVA 208V w/3 Batt Mod Exp to 4, Int Maint Bypass, Parallel Capable

SUVTP20KF3B4

! Discontinued - Service only

! Discontinued on: Dec 31, 2020

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

Overview

Lead Time Usually Ships within 2 Weeks

Main

Main Input Voltage	208 V 3 phases
Other Input Voltage	220 V
Main Output Voltage	120 V 208 V 208 V 3 phases
Other Output Voltage	220 V
Rated Power In W	16000 W
Rated Power In Va	20000 VA
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
Connections - Terminals	1 screw terminals
Battery Type	Lead-acid battery
Provided Equipment	Battery modules ship installed Bolt down brackets CD with software Installation guide Power modules ship installed User manual Web/SNMP management card

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Number Of Battery Filled Slots	3
Number Of Battery Free Slots	1
Battery Recharge Time	5 h
Number Of Battery Replacement Quantity	1
Additional Information	Configurable for 208 and 220V - 3 Phase
Battery Voltage	+/- 192 V (split battery referenced to neutral)
Discharge Battery Voltage	+/- 154 V
Battery Overload Operation	10 minutes at 125% and 60 seconds at 150%

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 Charger Power	1473 W rated
Battery Power In Vah	7378 VAh runtime
Battery Life	3...5 year(s)
Replacement Battery	SYBT4 
Battery Option	SYBT4 1 9849 VAh SUVTBXR6B6S 1 21899 VAh SUVTBXR6B6S 2 36622 VAh SUVTBXR6B6S 3 51388 VAh SUVTBXR6B6S 4 66518 VAh
Extended Runtime	1

General

Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	0
Redundant	Yes

Physical

Colour	Black
Height	149.9 cm
Width	52.3 cm
Depth	83.8 cm
Net Weight	536.82 kg
Mounting Location	Front
Mounting Preference	No preference
Mounting Mode	Not rack-mountable
Usb Compatible	No

Input

Network Frequency	40...70 Hz
Number Of Input Connectors	1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	165...240 V
Maximum Input Current	53 A
Switching Current Capacity	80 A
Input Harmonic Distortion	Less than 5 % for full load
Input Protection Type	3-pole circuit breaker
Load Power Factor	0.5 leading to 0.5 lagging
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 Voltage Tolerance	+/- 1% static and +/- 5% at 100% load step
Output Overload Operation	10 minutes at 125% and 60 seconds at 150%
Bypass Type	Built-in maintenance bypass Built-in static bypass
Efficiency	93 % (full load) 92.9 % (half load)
Maximum Output Current	61 A
Maximum Configurable Power In Va	20000 VA

Conformance

Product Certifications	cUL listed CE
Standards	EN 50091-2 EN/IEC 62040-2 EN/IEC 62040-3 EN/IEC 62040-1-1 FCC part 15 class A ISO 14001 ISO 9001 UL 1778

Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...3333 ft
Ambient Air Temperature For Storage	-15...45 °C
Storage Relative Humidity	0...95 %
Storage Altitude	0.00...15240.00 m
Acoustic Level	55 dBA
Heat Dissipation	4238 Btu/h
Nema Degree Of Protection	NEMA 1

Communications & Management

Free Slots	0
Preinstalled Device	Network management card 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	164.3 cm
Package 1 Width	65 cm
Package 1 Length	106.2 cm
Package 1 Weight	567.73 kg

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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