

Product data sheet

Specifications



APC Smart-UPS VT 20kVA 400V w/ 2 Batt Mod., Start-Up 5X8, Int Maint Bypass, Parallel Capable

SUVTP20KH2B2S

⚠ Discontinued on: Jul 5, 2021

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

⚠ Discontinued

Overview

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated power in W	16000 W
Rated power in VA	20000 VA
Output connector type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + E) 1
Connections - terminals	1 screw terminals
Provided equipment	Battery modules ship installed CD with software Network management card Smart UPS signalling RS-232 cable User manual Bolt down brackets Installation guide Start up included

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Battery type	VRLA
Battery voltage	+/- 192 V (split battery referenced to neutral)
Battery graph comments	Estimated runtimes based on battery vendor data, at typical environmental conditions, with no electrical input and balanced PF = 0.8 output.
Extended runtime	1
Number of battery filled slots	2
Number of battery free slots	0
Battery recharge time	5 h
Number of battery replacement quantity	2

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 life	3...5 year(s)
Discharge battery voltage	+/- 154 V
Battery charger power	995 W rated

General

Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
UPS type	Double conversion online

Physical

Colour	Black
Height	149 cm
Width	35.2 cm
Depth	84.2 cm
Net weight	396.82 kg
Mounting location	Front
Mounting preference	No preference
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No

Input

Maximum input current	27 A
Input Power Factor at Full Load	0.98
Switching current capacity	50 A
Input voltage limits	304...477 V
Number of input connectors	1 hard wire 5-wire (3P + N + E)
Network frequency	40...70 Hz auto-sensing

Output

Bypass type	Built-in maintenance bypass Built-in static bypass
Crest factor	3 : 1
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	32 A
Wave type	Sine wave
Output frequency	47...53 Hz for 50 Hz nominal sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage

Conformance

Product certifications	C-Tick CE RCM
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Environmental

Acoustic level	64 dBA
Heat dissipation	3112 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
IP degree of protection	IP20
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
Alarm	Audible and visible alarms : prioritized by severity

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	164.3 cm
Package 1 Width	65 cm
Package 1 Length	106.2 cm
Package 1 Weight	428.18 kg

Contractual warranty

Warranty	1 year repair or replace, Start-Up Service
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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
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

Image of product / Alternate images

Alternative

