

# Product data sheet

Specifications



## APC Smart-UPS VT 20kVA 400V w/ 2 Batt Mod Exp to 4, Start-Up 5X8, Int Maint Bypass, Parallel Capable

SUVTP20KH2B4S

! 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	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 Power modules ship installed User manual Bolt down brackets Installation guide Start up included

### Batteries & Runtime

Run Time	<a href="#">View Runtime Graph</a>
Efficiency	<a href="#">View Efficiency Graph</a>
Battery type	VRLA
Number of battery filled slots	2
Number of battery free slots	2
Battery recharge time	4 h
Number of battery replacement quantity	2
Battery voltage	+/- 192 V (split battery referenced to neutral)
Discharge battery voltage	+/- 154 V
Battery charger power	1243 W rated

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)
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

## General

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

## Physical

Colour	Black
Height	149 cm
Width	52.3 cm
Depth	84.2 cm
net weight	415 kg
mounting location	Front
Mounting preference	No preference
mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No

## Input

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

## Output

Maximum configurable power in VA	20000 VA
Maximum configurable power in W	16000 W
Output frequency	47...53 Hz for 50 Hz nominal sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Wave type	Sine wave
Harmonic distortion	Less than 5 % at full load
Maximum output current	32 A
Crest factor	3 : 1
Bypass type	Built-in maintenance bypass Built-in static bypass
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

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	0.0000000000...15240.0000000000 m
Acoustic level	64 dBA
heat dissipation	3112 Btu/h
IP degree of protection	IP20

## Communications & Management

Free slots	0
Preinstalled device	Network management card 2 with environmental monitoring
Alarm	Audible and visible alarms : prioritized by severity
Emergency power off	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	164.3 cm
Package 1 Width	106.2 cm
Package 1 Length	65 cm
Package 1 Weight	445.91 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-CO<sub>2</sub> 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 >](#)





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 with Exemptions

Environmental Disclosure   [Product Environmental Profile](#)

Circularity Profile   [End of Life Information](#)