

Product data sheet

Specifications



APC Smart-UPS VT 20KVA 400V w/ 2 Batt Mod Exp to 2, Int Maint Bypass, Parallel Capable

SUVTP20KH2B2

! Discontinued

! Discontinued on: Dec 31, 2020

! End-of-service on: Oct 18, 2023

Overview

Lead timeSpecial Order - Call for Quoted Lead Times

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	230 V 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 Installation guide User manual Web/SNMP management card Bolt down brackets

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Battery type	Lead-acid battery
Number of battery filled slots	2
Number of battery free slots	0
Battery recharge time	5 h
Number of battery replacement quantity	2
Discharge battery voltage	+/- 154 V
Battery charger power	995 W rated
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

Extended runtime	1
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General

UPS type	Double conversion online
Number of power module free slots	0
Number of power module filled slots	1
Redundant	No

Physical

Colour	Black
Height	149 cm
Width	35.2 cm
Depth	83.8 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

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 harmonic distortion	Less than 5 % for full load
Load power factor	0.5 leading to 0.5 lagging
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
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Efficiency	95.7 % (full load) 95.2 % (half load)
Harmonic distortion	Less than 5 % at full load
Maximum output current	32 A
Crest factor	Unlimited

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
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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	-15...45 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.0000000000...15240.0000000000 m
Acoustic level	54 dBA
heat dissipation	3112 Btu/h
IP degree of protection	IP20

Communications & Management

Free slots	0
Preinstalled device	Network management card 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	428.18 kg

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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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-CO₂ 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