

Product data sheet

Specifications



APC Smart-UPS VT 20kVA 400V, w/Internal Maintenance Bypass & Parallel Capability

SUVT20KH

⚠ Discontinued on: Apr 24, 2023

⚠ End-of-service on: Feb 21, 2024

⚠ Discontinued

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	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
Battery type	External battery system
Number of battery filled slots	0
Number of battery free slots	0
Extended runtime	0
Replacement battery	SYBT4

General

UPS type	Double conversion online
Bypass wiring configuration	5 wire (3P + N + E)

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

Number of power module free slots	0
Number of power module filled slots	0
Redundant	No

Physical

Colour	Black
Height	82.3 cm
Width	35.2 cm
Depth	83.8 cm
net weight	134 kg
mounting location	Front
Mounting preference	No preference
mounting mode	Not rack-mountable
USB compatible	No

Input

Network frequency	47...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
Max short time withstand current	30 kA
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 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 voltage tolerance	+/- 1% static and +/- 5% at 100% load step
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Output harmonic distortion	< 2% for 0 to 100% linear load and < 5% for full non-linear load
Neutral output current	50 A
Required output current protection	50 A
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
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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	-35...60 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.000000000...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 - MasterPack
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	129 cm
Package 1 Width	111 cm
Package 1 Length	72 cm
Package 1 Weight	173 kg

Contractual warranty

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