

Product data sheet

Specifications



APC Smart-UPS VT 20kVA 400V, Internal Maintenance Bypass

SUVT20KH

⚠ Discontinued on: Dec 31, 2020

⚠ End-of-service on: Feb 21, 2024

⚠ 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	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 Smart UPS signalling RS-232 cable 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 free slots	0
Extended runtime	0

General

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

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

Physical

Colour	Black
Height	82.3 cm
Width	35.2 cm
Depth	90.6 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
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
Efficiency	95.7 % (full load) 95.2 % (half load)
Harmonic distortion	Less than 5 % at full load
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	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	-50...40 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.000000000...15240.000000000 m
Acoustic level	64 dBA
heat dissipation	2573 Btu/h

IP degree of protection	IP20
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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	129 cm
Package 1 Width	111 cm
Package 1 Length	72.2 cm
Package 1 Weight	173 kg

Contractual warranty

Warranty	1 year repair or replace
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