

# SUVTP20KHS

APC Smart-UPS VT 20kVA 400V, w/Start-Up  
5X8, Internal Maintenance Bypass, & Parallel  
Capability



## Commercial status

Discontinued on: 14 January 2021

To be end-of-service on: 31 December 2030

! To be discontinued

## Overview

Presentation	UPS is supplied without batteries. 3rd party battery system must be purchased separately.
Lead time	Usually Ships within 2 Weeks

## General

Provided equipment	CD with software Installation guide Network management card Power modules ship installed User manual
Performance multiplier	1
Number of tare power	230 W
Number of power module free slots	0
Number of power module filled slots	0
Redundant	No
UPS size	L
Value multiplier	1

## Physical

Colour	Black
Depth	81.3 cm
Height	82.3 cm
Mounting location	Front
Mounting preference	No preference
Net weight	134 kg
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No
Width	35.2 cm

## 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
Inputvolt_other	380 V 415 V
Maximum input current	27 A
Switching current capacity	50 A
Input voltage	400 V 3 phases
Cos phi	0.98

## Output

Rated power in W	16000 W
Maximum configurable power in W	16000 W
Harmonic distortion	Less than 5 % at full load
Output frequency	47...53 Hz for 50 Hz nominal sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Outputvolt_other	380 V 415 V
Crest factor	3 : 1
UPS type	Double conversion online
Wave type	Sine wave
Connections - terminals	1 screw terminals
Output connector type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + E) 1
Bypass type	Built-in maintenance bypass Built-in static bypass
Curve equation	Efficiency
Curve fixed loss	0.0077
Curve load maximum	100 %
Curve load minimum	1 %
Curve proportional loss	0.024
Curve square loss	0.0166
Curve X-axis maximum	100 %
Curve test cond ID	Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and balanced PF = 0.8 output.
Curve X-axis minimum	0 %
Curve X-axis title	Load
Curve X-axis units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %
Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Graph display	0
Maximum output current	32 A
Output voltage	400 V 3 phases
Maximum configurable power in VA	20000 VA
Rated power in VA	20000 VA

## Conformance

Product certifications	C-Tick CE RCM
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Standards	EN 50091-2 EN 61000-3-2 EN 61000-3-3 EN/IEC 62040-3 ISO 14001 ISO 9001 VFI-SS-111
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## Environmental

Show note OP temperature	No
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## Batteries & Runtime

Battery type	External battery system
Number of battery filled slots	0
Number of battery free slots	0
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Liquid value	0
Battery curve	B
Battery power in VAh	0 VAh runtime
Extended runtime	0

## Communications & Management

Free slots	0
Preinstalled device	Network management card 2 with environmental monitoring
Control panel	Multifunction LCD status and control console
Alarm	Audible and visible alarms prioritized by severity
Emergency power off	Yes

## Packing Units

Package 1 Weight	173 kg
Package 1 Height	129 cm
Package 1 width	72 cm
Package 1 Length	111 cm

## Offer Sustainability

EU RoHS Directive	Will be compliant – Date to be confirmed
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