

# SUVTP20KF4B4S

APC Smart-UPS VT 20kVA 208V w/4 Batt. Mod.,  
Start-Up 5X8, Internal Maint Bypass, Parallel  
Capability



⚠ To be discontinued

## Commercial status

Discontinued on: 14 January 2021

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

## Overview

Lead time Usually Ships within 2 Weeks

## General

Provided equipment	Battery modules ship installed CD with software Network management card Power modules ship installed Smart UPS signalling RS-232 cable User manual Bolt down brackets Installation guide Start up included
Performance multiplier	0
Number of tare power	360 W
Number of power module free slots	0
Number of power module filled slots	0
Redundant	Yes
Size UPS version	Internetworking Server Telecom
UPS size	L
Value multiplier	0

## Physical

Colour	Black
Depth	81.3 cm
Height	149.9 cm
Mounting location	Front
Mounting preference	No preference
Net weight	629.09 kg
Mounting mode	Not rack-mountable
Two post mountable	0

USB compatible	No
Width	52.3 cm

## Input

Network frequency	40...70 Hz
Number of input connectors	1 hard wire 5-wire (3P + N + E)
Input voltage limits	165...240 V
Inputvolt_other	220 V
Maximum input current	53 A
Switching current capacity	80 A
Input voltage	208 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	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Outputvolt_other	220 V
Crest factor	Unlimited
UPS type	Double conversion online
Wave type	Sine wave
Connections - terminals	1 screw terminals
Output connector type	Hard wire 5-wire (3P + N + E) 1
Bypass type	Built-in maintenance bypass Built-in static bypass
Curve equation	Efficiency
Curve fixed loss	0.0272
Curve load maximum	100 %
Curve load minimum	3 %
Curve proportional loss	0.0121
Curve square loss	0.0314
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	1
Maximum output current	61 A
Output voltage	120 V 208 V 208 V 3 phases
Maximum configurable power in VA	20000 VA
Rated power in VA	20000 VA

## Conformance

Product certifications	CUL listed UL 1778
------------------------	-----------------------

Standards	ISO 14001 ISO 9001
-----------	-----------------------

### 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 altitude	0.00...15240.00 m
Acoustic level	55 dBA
Heat dissipation	4238 Btu/h
Show note OP temperature	No
NEMA degree of protection	NEMA 1

### Batteries & Runtime

Battery type	VRLA
Number of battery filled slots	2
Number of battery free slots	0
Battery recharge time	5 h
Number of battery replacement quantity	2
Additional information	Configurable for 208 and 220V - 3 Phase
Liquid value	0
Battery voltage	+/- 192 V (split battery referenced to neutral)
Discharge battery voltage	+/- 154 V
Battery curve	B
Battery charger power	1966 W rated
Battery power in VAH	9849 VAh runtime
Battery life	3...5 year(s)
Battery option	SUVTBXR6B6S 1 24322 VAh SUVTBXR6B6S 2 39064 VAh SUVTBXR6B6S 3 53835 VAh SUVTBXR6B6S 4 68981 VAh
Extended runtime	1

### 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 : configurable delays
Emergency power off	Yes

### Packing Units

Package 1 Weight	660 kg
Package 1 Height	164.3 cm
Package 1 width	65 cm
Package 1 Length	106.2 cm
Number of Units in Package 3	1

### Offer Sustainability

EU RoHS Directive	Will be compliant – Date to be confirmed
-------------------	--

Contractual warranty

Warranty	1 year repair or replace, Start-Up Service
----------	--