Product data sheet
Characteristics

SUVTP20KF2B4S
APC Smart-UPS VT 20kVA 208V w/2 Batt Mod Exp to 4, Start-Up 5X8, Int Maint Bypass, Parallel Capable

Green Premium™

⚠ 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

Feb 15, 2021

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Mounting preference	No preference
Net weight	445 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	0
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

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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	2
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	1002 W rated
Battery power in VAH	5021 VAh runtime
Battery life	3…5 year(s)
Battery option	SYBT4 1 7378 VAh SYBT4 2 9849 VAh SUVTBXR6B6S 1 19466 VAh SUVTBXR6B6S 2 34181 VAh SUVTBXR6B6S 3 48941 VAh SUVTBXR6B6S 4 64054 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	475.91 kg
Package 1 Height	164.3 cm
Package 1 width	65 cm
Package 1 Length	106.2 cm

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Number of Units in Package 3	1

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	1 year repair or replace, Start-Up Service

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