Product data sheet
Characteristics

SUVTR40KH4B5S
APC Smart-UPS VT rack mounted 40kVA 400V w/4 batt mod. exp. to 5, w/PDU & startup

Green Premium™

Commercial status

Discontinued on: 14 January 2021

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

⚠ To be discontinued

Overview

Lead time	Usually Ships within 2 Weeks

General

Provided equipment	CD with software Network management card Power modules ship installed Smart UPS signalling RS-232 cable User manual Installation guide Start up included
Performance multiplier	1
Number of tare power	360 W
Number of power module free slots	0
Number of power module filled slots	1
Redundant	No
Size UPS version	Internetworking Server Telecom
UPS size	L
Value multiplier	1

Physical

Colour	Black
Depth	107.5 cm
Height	199.5 cm
Mounting location	Front
Mounting preference	No preference
Net weight	657 kg
Mounting mode	Rack-mounted

Feb 16, 2021

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Two post mountable	0
USB compatible	No
Width	60 cm

Input

Network frequency	40...70 Hz
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	55 A
Switching current capacity	80 A
Input voltage	400 V 3 phases
Cos phi	0.98

Output

Rated power in W	32000 W
Maximum configurable power in W	32000 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	Unlimited
UPS type	Double conversion online
Wave type	Sine wave
Output connector type	Hard wire 5-wire (3P + N + E) 1
Nb of power socket outlets	12 IEC 60320 C19
Output overload operation	60 seconds at 125% and 30 seconds at 150%
Bypass type	Built-in maintenance bypass Built-in static bypass
Curve equation	Efficiency
Curve load maximum	100 %
Curve X-axis maximum	100 %
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
Efficiency	96 % (full load)
Graph display	1
Maximum output current	64 A
Output voltage	400 V 3 phases
Maximum configurable power in VA	40000 VA
Rated power in VA	40000 VA

Conformance

Product certifications	C-Tick CE RCM
Standards	EN 50091-2 EN/IEC 62040-3

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IEC 61000-3-2
IEC 61000-3-3
ISO 14001
ISO 9001
VFI-SS-111

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	0.00…15240.00 m
Acoustic level	67 dBA
Heat dissipation	5459 Btu/h
Show note OP temperature	No
IP degree of protection	IP20

Batteries & Runtime

Battery type	VRLA
Number of battery filled slots	4
Number of battery free slots	1
Battery recharge time	3 h
Number of battery replacement quantity	4
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Liquid value	0
Battery curve	B
Battery charger power	3303 W rated
Battery power in VAH	9943 VAh runtime
Battery life	3…5 year(s)
Battery option	SYBT4 1 12401 VAh SUVTXR6B6S 1 24609 VAh SUVTXR6B6S 2 39152 VAh SUVTXR6B6S 3 54017 VAh SUVTXR6B6S 4 68749 VAh
Battery graph comments	Estimated runtimes based on battery vendor data, at typical environmental conditions, with no electrical input and balanced PF = 0.8 output.
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 : configurable delays
Emergency power off	Yes

Packing Units

Package 1 Weight	782.27 kg
Package 1 Height	209.5 cm
Package 1 width	75.6 cm
Package 1 Length	120.6 cm

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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