

Product data sheet

Specifications



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

SUVTR40KH4B5S

! Discontinued - Service only

! Discontinued on: Jul 5, 2021

! To be end-of-service on: Dec 31, 2030

Overview

Lead Time	Usually Ships within 2 Weeks
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Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated Power In W	32000 W
Rated Power In Va	40000 VA
Nb Of Power Socket Outlets	12 IEC 60320 C19
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
Battery Type	VRLA
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

Batteries & Runtime

Run Time	View Runtime Graph
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
Battery Charger Power	3303 W rated
Battery Power In Vah	9943 VAh runtime
Battery Life	3...5 year(s)
Replacement Battery	SYBT4

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

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

General

Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	1
Redundant	No

Physical

Colour	Black
Height	199.5 cm
Width	60 cm
Depth	107.5 cm
Net Weight	657 kg
Mounting Location	Front
Mounting Preference	No preference
Mounting Mode	Rack-mounted
Two Post Mountable	0
Usb Compatible	No

Input

Network Frequency	40...70 Hz
Number Of Input Connectors	1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	304...477 V
Maximum Input Current	55 A
Switching Current Capacity	80 A
Input Power Factor At Full Load	0.98

Output

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
Crest Factor	Unlimited
Ups Type	Double conversion online
Wave Type	Sine wave
Output Overload Operation	60 seconds at 125% and 30 seconds at 150%
Bypass Type	Built-in maintenance bypass Built-in static bypass

Efficiency	96 % (full load)
Maximum Output Current	64 A
Maximum Configurable Power In Va	40000 VA

Conformance

Product Certifications	C-Tick CE RCM
Standards	EN 50091-2 EN/IEC 62040-3 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
Ip Degree Of Protection	IP20

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




Contractual warranty

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

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. **Green Premium** promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low- products. **Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Take-back Transparency RoHS/REACH

Resource performance

✓

Take-Back Program Available

Well-being performance

✓

Mercury Free

✓

Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information