

Product data sheet

Specifications



APC Smart-UPS VT 40kVA 400V, w/Internal Maintenance Bypass & Parallel Capability

SUVTP40KH

! Discontinued - Service only

! Discontinued on: Nov 22, 2021

! To be end-of-service on: Sep 30, 2031

Overview

Lead Time	Special Order - Call for Quoted Lead Times
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Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	230 V 400 V 3 phases
Other Output Voltage	380 V 415 V
Rated Power In W	32000 W
Rated Power In Va	40000 VA
Output Connector Type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + E) 1
Connections - Terminals	1 screw terminals
Battery Type	External battery system
Provided Equipment	Bolt down brackets CD with software Installation guide Power modules ship installed User manual Web/SNMP management card

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Number Of Battery Filled Slots	0
Number Of Battery Free Slots	0
Battery Recharge Time	5 h
Additional Information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery Power In Vah	0 VAh runtime
Battery Life	3...5 year(s)
Replacement Battery	SYBT4
Extended Runtime	1

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

General

Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	0
Redundant	Yes

Physical

Colour	Black
Height	82.3 cm
Width	52.3 cm
Depth	81.3 cm
Net Weight	182.5 kg
Mounting Location	Front
Mounting Preference	No preference
Mounting Mode	Not rack-mountable
Usb Compatible	No

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
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	10 minutes at 125% and 60 seconds at 150%
Bypass Type	Built-in maintenance bypass Built-in static bypass
Maximum Output Current	64 A
Maximum Configurable Power In Va	40000 VA

Conformance

Product Certifications	C-Tick CE
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Standards	EN 50091-2 EN/IEC 62040-3 IEC 61000-3-2 IEC 61000-3-3 ISO 14001 ISO 9001 VFI-SS-112
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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	55 dBA
Heat Dissipation	5459 Btu/h
Ip Degree Of Protection	IP20

Communications & Management

Free Slots	0
Preinstalled Device	Network management card 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 Height	129 cm
Package 1 Width	72 cm
Package 1 Length	111 cm
Package 1 Weight	221.5 kg
Number Of Units In Package 3	1

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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