ComX Computers
Product Specification Sheet

SUVTP20KH2B2S

APC smart-UPS VT 20KVA 400V 3-phase UPS

Product Overview

APC Smart-UPS VT 20KVA 400V w/2 Batt Mod Exp to 2, Int Maint Bypass, Parallel Capable, Input Voltage: 400 3PH, Output Voltage: 230, 400 3PH, Shipping Weight: 942.00(lbs) 428.18(kilos), Shipping Dimensions: 64.70x 25.60x 41.80(in) 164.30x 65.00x 106.20(cent)





Specifications

Features:

Parallel-capacity capable
Increases total power capacity by using multiple UPSs simultaneously.

Parallel-redundant capable
Power the connected equipment with multiple UPSs to increase system redundancy

Dual mains input
Increases availability by allowing the UPS to be connected to two separate power sources.

Scalable runtime
Allows additional run time to be quickly added as needed.

Hot-swappable batteries
Ensures clean, uninterrupted power to protected equipment while batteries are being replaced

Generator compatible
Ensures clean, uninterrupted power to protected equipment when generator power is used.

Automatic internal bypass
Supplies utility power to the connected loads in the event of a UPS overload condition or fault.

Battery modules connected in parallel
Delivers higher availability through redundant batteries.

User-replaceable batteries

Increases availability by allowing a trained user to perform upgrades and replacements of the batteries reducing Mean Time to Repair (MTTR)

Battery replacement without tools
Allows quick, easy battery replacement.

Automatic self-test
Periodic battery self-test ensures early detection of a battery that needs to be replaced.

Shippable with modules installed
Enables pre-installation UPS staging and testing and faster installation.

Modular design
Provides fast serviceability and reduced maintenance requirements via self-diagnosing, field-replaceable modules.

Network manageable
Provides remote management of the UPS over the network.

InfraStruXure Manager Compatible
Enables centralized management via the APC InfraStruXure Manager.

LCD display
Alpha-Numeric Display which displays system parameters and alarms.

Audible alarms
Provides notification of changing utility power and UPS conditions

Programmable frequency
Ensures compatibility with different input frequencies.

LED status indicators
Quickly understand unit and power status with visual indicators.

SmartSlot
Customize UPS capabilities with management cards.

Input power factor correction
Minimizes installation costs by enabling the use of smaller generators and cabling.

Temperature-compensated battery charging
Prolongs battery life by regulating the charge voltage according to battery temperature.

Manual maintenance bypass
Reduces installation costs by eliminating the need for an external mechanical bypass.

Intelligent battery management
Maximizes battery performance, life, and reliability through intelligent, precision charging.

Frequency and voltage regulation
Gives higher application availability by correcting poor frequency and voltage conditions without using the battery.

Safety-agency approved

Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment.

Cold-start capable
Provides temporary battery power when the utility power is out.

Specifications:

© 2014 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	SUVTP20KH2B2S
Output	
Output Power Capacity	16 kW / 20 kVA
Max Configurable Power	16 kW / 20 kVA
Nominal Output Voltage	230V, 400V 3PH
Output Voltage Note	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Efficiency at Full Load	0.953
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal
Other Output Voltages	380415
Crest Factor	3:1
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 4-wire (3PH + G)
	(1) Hard Wire 5-wire (3PH + N + G)
	(1) Screw Terminals
Bypass	Built-in Maintenance Bypass, Built-in Static Bypass
Input	
Nominal Input Voltage	400V 3PH
Input Frequency	40 - 70 Hz (auto sensing)
Input Connections	Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	304 - 477V
Other Input Voltages	380415
Maximum Input Current	27A
Input Breaker Capacity	50.0 A
Batteries & Runtime	
Battery Type	VRLA
Included Battery Modules	2

Typical recharge time	5 hour(s)
RBC Quantity	2
Nominal Battery Voltage	+/-192 V (split battery referenced to neutral)
End of Discharge Battery Voltage	+/-154 V
Extended Run Options	APC Smart-UPS VT 20kVA 400V w/2 Batt Mod., Start-Up 5X8, Int Maint Bypass, Parallel Capable
Communications & Management	
Interface Port(s)	DB-9 RS-232, Smart-Slot
Pre-Installed SmartSlot Cards	AP9631
Control panel	Multi-function LCD status and control console
Audible Alarm	Audible and visible alarms prioritized by severity
Emergency Power Off (EPO)	Yes
Physical	
Maximum Height	1499.00 mm
Maximum Width	356.00 mm
Maximum Depth	813.00 mm
Net Weight	396.82 KG
Shipping Weight	428.18 KG
Shipping Height	1643.00 mm
Shipping Width	650.00 mm
Shipping Depth	1062.00 mm
Color	Black
Units per Pallet	1
Environmental	
Operating Environment	0 - 40 degreesC
Operating Relative Humidity	0 - 95%
Operating Elevation	0-999, 9 meters
Storage Temperature	-50 - 40 degreesC
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	64.00 dBA
Online Thermal Dissipation	3112.00 BTU/hr
Protection Class	IP 20
Conformance	
Regulatory Approvals	C-tick, CE, EN 50091-2, EN/IEC 62040-3, IEC 61000-3-2, IEC 61000-3-3, ISO 14001, ISO 9001, VFI-SS-112

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/SUVTP20KH2B2S-APC-smart-UPS-VT-20KVA-400V-3-phase-UPS-p-100442.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-14 00:37:31.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.