ComX Computers
Product Specification Sheet

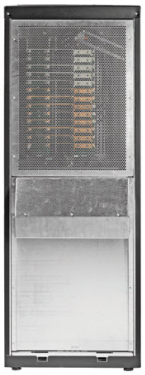
SUVTP20KH2B4S

APC Smart-UPS VT 20KVA 400V

Product Overview

APC Smart-UPS VT 20KVA 400V w/2 Battery Mod Exp to 4, Int Maint Bypass, Parallel Capable





Specifications

Features:

Availability

- 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.

Serviceability

- 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.

Manageability

- 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.

Total Cost of Ownership

- 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.

Protection

- 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:

Output	
Output Power Capacity	16 kW / 20 kVA
Max Configurable Power	16 kW / 20 kVA
Nominal Output Voltage	400V 3PH
Output Voltage Note	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Efficiency at Full Load	0.95
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal
Crest Factor	Unlimited
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
Available Battery Slots	2

Typical recharge time	4 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 Exp to 4, 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	559.00 mm
Maximum Depth	813.00 mm
Net Weight	415.00 KG
Shipping Weight	445.91 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

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/SUVTP20KH2B4S-APC-Smart-UPS-VT-20KVA-400V-p-43883.php

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