

# Product data sheet

Specifications



## APC Smart-UPS VT 20kVA 400V, w/Start-Up 5X8, Internal Maintenance Bypass, & Parallel Capability

SUVT20KHS

⚠ Discontinued

⚠ Discontinued on: Jul 5, 2021

⚠ To be end-of-service on: Dec 31, 2031

### Overview

|              |                                                                                           |
|--------------|-------------------------------------------------------------------------------------------|
| Presentation | UPS is supplied without batteries. 3rd party battery system must be purchased separately. |
| Lead time    | Usually Ships within 2 Weeks                                                              |

### Main

|                         |                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------|
| Main Input Voltage      | 400 V 3 phases                                                                                                   |
| Other Input Voltage     | 380 V<br>415 V                                                                                                   |
| Main Output Voltage     | 400 V 3 phases                                                                                                   |
| Other Output Voltage    | 380 V<br>415 V                                                                                                   |
| Rated power in W        | 16000 W                                                                                                          |
| rated power in VA       | 20000 VA                                                                                                         |
| Output connector type   | Hard wire 4-wire (3P + E) 1<br>Hard wire 5-wire (3P + N + E) 1                                                   |
| Connections - terminals | 1 screw terminals                                                                                                |
| Provided equipment      | CD with software<br>Installation guide<br>Network management card<br>Power modules ship installed<br>User manual |

### Batteries & Runtime

|                                |                                       |
|--------------------------------|---------------------------------------|
| Run Time                       | <a href="#">View Runtime Graph</a>    |
| Efficiency                     | <a href="#">View Efficiency Graph</a> |
| Battery type                   | External battery system               |
| Extended runtime               | 0                                     |
| Number of battery filled slots | 0                                     |
| Number of battery free slots   | 0                                     |

### General

|                                     |   |
|-------------------------------------|---|
| Number of power module filled slots | 0 |
| Number of power module free slots   | 0 |

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

|           |                          |
|-----------|--------------------------|
| Redundant | No                       |
| UPS type  | Double conversion online |

## Physical

|                     |                    |
|---------------------|--------------------|
| Colour              | Black              |
| Height              | 82.3 cm            |
| Width               | 35.2 cm            |
| Depth               | 81.3 cm            |
| Net weight          | 134 kg             |
| Mounting location   | Front              |
| Mounting preference | No preference      |
| Mounting mode       | Not rack-mountable |
| Two post mountable  | 0                  |
| USB compatible      | No                 |

## Input

|                                 |                                 |
|---------------------------------|---------------------------------|
| Maximum input current           | 27 A                            |
| Input Power Factor at Full Load | 0.98                            |
| Switching current capacity      | 50 A                            |
| Input voltage limits            | 304...477 V                     |
| Number of input connectors      | 1 hard wire 5-wire (3P + N + E) |
| Network frequency               | 47...70 Hz auto-sensing         |

## Output

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| Bypass type                      | Built-in maintenance bypass<br>Built-in static bypass                                          |
| Crest factor                     | 3 : 1                                                                                          |
| Harmonic distortion              | Less than 5 % at full load                                                                     |
| Maximum configurable power in VA | 20000 VA                                                                                       |
| Maximum configurable power in W  | 16000 W                                                                                        |
| Maximum output current           | 32 A                                                                                           |
| Wave type                        | Sine wave                                                                                      |
| Output frequency                 | 47...53 Hz for 50 Hz nominal sync to mains<br>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised |
| Additional information           | Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage                             |

## Conformance

|                        |                     |
|------------------------|---------------------|
| Product certifications | C-Tick<br>CE<br>RCM |
|------------------------|---------------------|

## Communications & Management

|                     |     |
|---------------------|-----|
| Emergency power off | Yes |
| Free slots          | 0   |

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| Preinstalled device | Network management card 2 with environmental monitoring |
| Alarm               | Audible and visible alarms : prioritized by severity    |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 129 cm |
| Package 1 Width              | 111 cm |
| Package 1 Length             | 72 cm  |
| Package 1 Weight             | 173 kg |

## Contractual warranty

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

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained](#) >

[How we assess product sustainability](#) >

|                                                                                                                      |                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Environmental footprint</div>  |                                                                                                                                                                                                                 |
| Environmental Disclosure                                                                                             | <a href="#">Product Environmental Profile</a>                                                                                                                                                                   |
| Use Better                                                                                                           |                                                                                                                                                                                                                 |
| <div>Materials and Substances</div> |                                                                                                                                                                                                                 |
| <a href="#">EU RoHS Directive</a>                                                                                    | Compliant with Exemptions                                                                                                                                                                                       |
| Use Again                                                                                                            |                                                                                                                                                                                                                 |
| <div>Repack and remanufacture</div> |                                                                                                                                                                                                                 |
| End of life manual availability                                                                                      | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                                                                                                            | Yes                                                                                                                                                                                                             |
| WEEE Label                                                                                                           |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |