

Product data sheet

Characteristics

SUVTR20KF2B5S

APC Smart-UPS VT Rack Mounted 20kVA 208V
w/2 batt mod. exp. to 5, w/PDU & startup



Commercial status

Discontinued on: 14 January 2021

To be end-of-service on: 31 December 2030

⚠ To be discontinued

Overview

Lead time Usually Ships within 2 Weeks

General

| | |
|-------------------------------------|--|
| 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 |
| Performance multiplier | 0 |
| Number of tare power | 360 W |
| Number of power module free slots | 0 |
| Number of power module filled slots | 1 |
| Redundant | No |
| Size UPS version | Internetworking Server Telecom |
| UPS size | L |
| Value multiplier | 0 |

Physical

| | |
|---------------------|---------------|
| Colour | Black |
| Depth | 107.5 cm |
| Height | 199.5 cm |
| Mounting location | Front |
| Mounting preference | No preference |
| Net weight | 565.45 kg |
| Mounting mode | Rack-mounted |
| Two post mountable | 0 |
| USB compatible | No |
| Width | 60 cm |

Input

| | |
|----------------------------|---------------------------------|
| Network frequency | 40...70 Hz |
| Number of input connectors | 1 hard wire 5-wire (3P + N + E) |
| Input voltage limits | 160...240 V |
| Inputvolt_other | 220 V |
| Maximum input current | 53 A |
| Switching current capacity | 80 A |
| Input voltage | 208 V 3 phases |
| Cos phi | 0.98 |

Output

| | |
|----------------------------------|---|
| Rated power in W | 16000 W |
| Maximum configurable power in W | 16000 W |
| Harmonic distortion | Less than 5 % at full load |
| Output frequency | 57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised |
| Outputvolt_other | 220 V |
| Crest factor | Unlimited |
| UPS type | Double conversion online |
| Wave type | Sine wave |
| Output connector type | Hard wire 5-wire (3P + N + E) 1 |
| Nb of power socket outlets | 5 NEMA L21-20 |
| Bypass type | Built-in maintenance bypass Built-in static bypass |
| Curve equation | Efficiency |
| Curve fixed loss | 0.0264 |
| Curve load maximum | 100 % |
| Curve load minimum | 3 % |
| Curve proportional loss | 0.0147 |
| Curve square loss | 0.0298 |
| Curve X-axis maximum | 100 % |
| Curve test cond ID | Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and balanced resistive load (PF = 1.0) output. |
| Curve X-axis minimum | 0 % |
| Curve X-axis title | Load |
| Curve X-axis units | Percentage |
| Curve Y-axis maximum | 100 % |
| Curve Y-axis minimum | 50 % |
| Curve Y-axis title | Efficiency |
| Curve Y-axis units | Percentage |
| Graph display | 0 |
| Maximum output current | 61 A |
| Output voltage | 120 V 208 V 208 V 3 phases |
| Maximum configurable power in VA | 20000 VA |
| Rated power in VA | 20000 VA |

Conformance

| | |
|------------------------|-----------------------|
| Product certifications | CUL listed UL 1778 |
| Standards | ISO 14001 ISO 9001 |

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 altitude | 0.00...15240.00 m |
| Acoustic level | 58 dBA |
| Heat dissipation | 4238 Btu/h |
| Show note OP temperature | No |
| NEMA degree of protection | NEMA 1 |

Batteries & Runtime

| | |
|--|---|
| Battery type | VRLA |
| Number of battery filled slots | 2 |
| Number of battery free slots | 3 |
| Battery recharge time | 3 h |
| Number of battery replacement quantity | 2 |
| Additional information | Configurable for 200 : 208 or 220V 3 Phase nominal output voltage |
| Liquid value | 0 |
| Battery curve | B |
| Battery charger power | 1668 W rated |
| Battery power in VAH | 5021 VAh runtime |
| Battery life | 3...5 year(s) |
| Battery option | SYBT4 1 7383 VAh SYBT4 2 9854 VAh SYBT4 3 12318 VAh SUVTBXR6B6S 1 19466 VAh SUVTBXR2B6S 2 34181 VAh SUVTBXR2B6S 3 48941 VAh SUVTBXR2B6S 4 64054 VAh |
| Extended runtime | 0 |

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 Weight | 600.45 kg |
| Package 1 Height | 199.5 cm |
| Package 1 width | 60 cm |
| Package 1 Length | 107.5 cm |

Offer Sustainability

| | |
|-----------------------------|--|
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Optimized Energy Efficiency | Energy efficient product |

Contractual warranty

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