



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 | Battery modules ship installed Bolt down brackets CD with software Installation guide Network management card Power modules ship installed Smart UPS signalling RS-232 cable Start-up service User manual |
| Performance multiplier | 1 |
| Number of tare power | 300 W |
| Number of power module free slots | 0 |
| Number of power module filled slots | 0 |
| Redundant | No |
| UPS size | WS |
| Value multiplier | 1 |

Physical

| | |
|---------------------|--------------------|
| Depth | 84.2 cm |
| Height | 149 cm |
| Mounting preference | No preference |
| Net weight | 402 kg |
| Mounting mode | Not rack-mountable |
| Two post mountable | 0 |
| USB compatible | No |
| Width | 35.2 cm |

Input

Network frequency 40...70 Hz auto-sensing

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

| | |
|----------------------------|---------------------------------------------|
| Number of input connectors | 1 hard wire 5-wire (3P + N + E) |
| Input voltage limits | 340...460 V adjustable 400 V 304...477 V |
| Inputvolt_other | 380 V 415 V |
| Maximum input current | 27 A |
| Switching current capacity | 35 A |
| Input harmonic distortion | Less than 5 % for full load |
| Input protection type | 3-pole circuit breaker |
| Input voltage | 400 V 3 phases |
| Inrush current | 200 A peak |
| Load power factor | 0.5 leading to 0.5 lagging |
| Cos phi | 0.98 |

Output

| | |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated power in W | 16000 W |
| Maximum configurable power in W | 16000 W |
| Harmonic distortion | Less than 5 % |
| Output frequency | 47...53 Hz for 50 Hz nominal sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised |
| Outputvolt_other | 380 V 415 V |
| Crest factor | Unlimited |
| UPS type | Double conversion online |
| Wave type | Sine wave |
| Connections - terminals | 1 screw terminals |
| Output connector type | Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + E) 1 |
| Output voltage tolerance | +/- 1% static and +/- 5% at 100% load step |
| Output harmonic distortion | < 2% for 0 to 100% linear load and < 5% for full non-linear load |
| Output overload operation | 10 minutes at 125% and 60 seconds at 150% |
| Bypass type | Built-in maintenance bypass Built-in static bypass |
| Curve equation | Efficiency |
| Curve fixed loss | 0.0077 |
| Curve load maximum | 100 % |
| Curve load minimum | 1 % |
| Curve proportional loss | 0.024 |
| Curve square loss | 0.0166 |
| 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 PF = 0.8 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 |
| Efficiency | 94.9 % (in battery operation) |
| Graph display | 1 |
| Output voltage | 400 V 3 phases |
| Maximum configurable power in VA | 20000 VA |
| Rated power in VA | 20000 VA |

Conformance

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Product certifications | CE |
| Standards | EN 50091-2 EN/IEC 62040-3 EN/IEC 62040-1-1 IEC 61000-3-2 IEC 61000-3-3 ISO 14001 ISO 9001 VFI-SS-111 |

Environmental

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|---------------------------------------|-------------------|
| Ambient air temperature for operation | 0...40 °C |
| Relative humidity | 0...95 % |
| Operating altitude | 0...3333 ft |
| Ambient air temperature for storage | -15...45 °C |
| Storage Relative Humidity | 0...95 % |
| Storage altitude | 0.00...15240.00 m |
| Acoustic level | 51.3 dBA |
| Heat dissipation | 2620 Btu/h |
| Show note OP temperature | No |
| IP degree of protection | IP51 |

Batteries & Runtime

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|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Battery type | Lead-acid battery |
| Number of battery filled slots | 2 |
| 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 |
| Liquid value | 0 |
| Battery voltage | +/- 192 V (split battery referenced to neutral) |
| Discharge battery voltage | +/- 154 V |
| Max current discharge | 109.7 A |
| Battery overload operation | 10 minutes at 125% and 60 seconds at 150% |
| Battery curve | B |
| Battery charger power | 995 W rated |
| Battery power in VAh | 4983 VAh runtime |
| Battery life | 3...5 year(s) |
| Battery option | G35TBXR6B6 1 19620 VAh G35TBXR6B6 2 34413 VAh G35TBXR6B6 3 49383 VAh G35TBXR6B6 4 64557 VAh |
| Battery graph comments | Estimated runtimes based on battery vendor data, at typical environmental conditions, with no electrical input and balanced PF = 0.8 output. |
| Extended runtime | 0 |

Communications & Management

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|---------------------|-----------------------------------------------------------------------------|
| Free slots | 0 |
| Preinstalled device | Network management card 2 with environmental monitoring |
| Control panel | Multifunction LCD status and control console |
| Alarm | Alarm when on battery : distinctive low battery alarm : configurable delays |
| Emergency power off | Yes |

Packing Units

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|------------------|----------|
| Package 1 Weight | 432 kg |
| Package 1 Height | 164.3 cm |
| Package 1 width | 65 cm |
| Package 1 Length | 106.2 cm |

Offer Sustainability

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|-------------------|---------------------------------------------------------------------------------------------------|
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
|-------------------|---------------------------------------------------------------------------------------------------|

Contractual warranty

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|----------|--------------------------|
| Warranty | 1 year repair or replace |
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