



Overview

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| Presentation | UPS is designed to meet the marine standard requirement. |
| Lead time | Special Order - Call for Quoted Lead Times |

General

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|-------------------------------------|---|
| Provided equipment | Installation guide User manual |
| Bypass wiring configuration | 4 wire (3P + N) 5 wire (3P + N + E) |
| Bypass voltage tolerance | +/- 10 % settable from +/- 4/6/8 and 10 % |
| Max bypass input current | 173 A |
| Bypass current protection | 250 A |
| Number of power module free slots | 0 |
| Number of power module filled slots | 0 |
| Redundant | No |
| UPS size | WS |

Physical

| | |
|---------------------|--------------------|
| Depth | 85.5 cm |
| Height | 221 cm |
| Mounting preference | No preference |
| Net weight | 588 kg |
| Mounting mode | Not rack-mountable |
| Two post mountable | 0 |
| USB compatible | No |
| Width | 71.2 cm |

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

Input

| | |
|----------------------------------|---|
| Network frequency | 45...65 Hz |
| Number of input connectors | 1 hard wire 4-wire (3P + E) 1 hard wire 4-wire (3P + N) |
| Input voltage limits | 323...437 V 380 V 340...460 V 400 V 353...477 V 415 V |
| Inputvolt_other | 380 V 415 V |
| Maximum input current | 228 A |
| Switching current capacity | 250 A |
| Max short time withstand current | 30 kA |
| Input harmonic distortion | Less than 3 % for full load |
| Input protection type | GL fuse |
| Input voltage | 400 V 3 phases |
| Load power factor | 0.9 |
| Cos phi | 1 |

Output

| | |
|------------------------------------|--|
| Rated power in W | 108000 W |
| Maximum configurable power in W | 108000 W |
| Harmonic distortion | Less than 2 % |
| Output frequency | 50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 % sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised |
| Outputvolt_other | 380 V 415 V |
| Crest factor | 3 : 1 |
| UPS type | Double conversion online |
| Wave type | Sine wave |
| Output connector type | Hard wire 4-wire (3P + E) 1 |
| Output voltage tolerance | +/- 2% static and 100% load step |
| Output harmonic distortion | < 1% linear load and < 2.5% non-linear load |
| Output overload operation | 10 minutes at 125% and 60 seconds at 150% |
| Required output current protection | 173 A |
| Neutral output current | 260 A |
| Bypass type | Built-in maintenance bypass Built-in static bypass Optional external bypass |
| Curve equation | Efficiency |
| Curve load maximum | 100 % |
| Curve X-axis maximum | 100 % |
| 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 | 93 % (full load) 92 % (half load) |
| Graph display | 1 |
| Maximum output current | 480 A |
| Output voltage | 400 V 3 phases |
| Maximum configurable power in VA | 120000 VA |

| | |
|-------------------|-----------|
| Rated power in VA | 120000 VA |
|-------------------|-----------|

Conformance

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|------------------------|---|
| Product certifications | CE TÜV VDE |
| Standards | IEC 62040-1-2 EN/IEC 62040-2 EN/IEC 62040-3 ISO 9001 |

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 | -20...45 °C |
| Storage Relative Humidity | 0...95 % |
| Storage altitude | 0.00...12192.00 m |
| Acoustic level | 63 dBA |
| Show note OP temperature | No |
| IP degree of protection | IP20 |

Batteries & Runtime

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|--------------------------------|--|
| Battery type | External battery system |
| Number of battery filled slots | 0 |
| Number of battery free slots | 0 |
| Additional information | Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage |
| Liquid value | 0 |
| Battery curve | B |
| Battery charger power | 9300 W rated |
| Battery power in VAh | 93 VAh runtime |
| Battery life | 8...10 year(s) |
| Battery option | G55TE-BB120K30 1 80179 VAh |
| Extended runtime | 0 |

Communications & Management

| | |
|---------------------|--|
| Free slots | 3 |
| Preinstalled device | Network management card 2 with environmental monitoring, out of band access and Modbus - Schneider |
| Control panel | Multifunction LCD status and control console |
| Emergency power off | Yes |

Packing Units

| | |
|------------------------------|--------|
| Package 1 Weight | 610 kg |
| Package 1 Height | 234 cm |
| Package 1 width | 108 cm |
| Package 1 Length | 120 cm |
| Number of Units in Package 3 | 1 |

Offer Sustainability

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|-------------------|---------------------|
| EU RoHS Directive | Under investigation |
|-------------------|---------------------|

Contractual warranty

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| Warranty | 1 year on-site repair or replace with factory authorized Start-Up, 1 year (parts only) |
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