

Product datasheet

Specifications



Symmetra PX All-In-One 48kW scalable to 48kW 400V

SY48K48H-PD

Price: 1,056,160.00 ZAR

Overview

Presentation Scalable power, runtime & distribution in a high-density, single-frame design. This high-efficiency 3-phase UPS scales as your data center grows up to 48kW/48kVA. Suitable for small & medium data center applications.

Lead time Usually Ships within 2 Weeks

Main

| | |
|---|--|
| Main Input Voltage | 400 V 3 phases |
| Input voltage | 380 V 400 V 415 V |
| Maximum input current | 98 A |
| Max short time withstand current | 30 kA |
| Input harmonic distortion | Less than 5 % for full load |
| Input protection type | GL fuse |
| Load power factor | 0.5 leading to 0.5 lagging |
| Cos phi | 0.99 |
| Switching current capacity | 100 A |
| Input voltage limits | 340...477 V |
| Number of input connectors | 1 hard wire 5-wire (3P + N + E) |
| Network frequency | 40...70 Hz |
| Output voltage | 230 V 400 V 3 phases |
| Output voltage | 380 V 400 V 415 V |
| Rated power in W | 48000 W |
| rated power in VA | 48000 VA |
| Bypass type | Built-in static bypass |
| Harmonic distortion | Less than 2 % |
| Maximum configurable power in VA | 48000 VA |
| Maximum configurable power in W | 48000 W |
| Output harmonic distortion | < 2% for 0 to 100% linear load and < 6% for full non-linear load |
| Output overload operation | 10 minutes at 125% and 60 seconds at 150% |
| Output voltage tolerance | +/- 1% static and +/- 5% at 100% load step |
| UPS type | Double conversion online |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

| | |
|---|--|
| Wave type | Sine wave |
| Efficiency | 94 % (in battery operation) |
| Output frequency | 50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised |
| Required output current protection | 100 A |

Complementary

| | |
|---|--|
| Battery type | VRLA |
| Additional information | Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage |
| Battery voltage | +/- 192 V (split battery referenced to neutral) |
| Extended runtime | 1 |
| Maximum short-circuit current | 4 kA |
| Number of battery filled slots | 4 |
| Number of battery free slots | 0 |
| Battery recharge time | 3 h |
| Number of battery replacement quantity | 4 |
| Max current discharge | 165 A |
| Overcurrent protection | 1008 A |
| Battery design life | 5...8 year(s) |
| Discharge battery voltage | +/- 154 V |
| Battery charger power | 4593 W rated |
| Battery overload operation | 10 minutes at 125% and 60 seconds at 150% |
| Control panel | Multifunction LCD status and control console |
| Emergency power off | Yes |
| Free slots | 2 |
| Preinstalled device | Network management card with CAN |
| Colour | Black |
| Height | 199.1 cm |
| Width | 60 cm |
| Depth | 107 cm |
| Net weight | 796 kg |
| USB compatible | No |
| Provided equipment | Network management card Start-up service |
| Bypass voltage tolerance | +/- 10 % settable from +/- 4/6/8 and 10 % |
| Bypass wiring configuration | 5 wire (3P + N + E) |
| Max bypass input current | 80 A |
| Bypass current protection | 80 A |
| Number of power module filled slots | 3 |
| Number of power module free slots | 0 |
| Redundant | Yes |

Environment

| | |
|---------------------------------------|---|
| Product certifications | EUROBAT |
| Standards | EN 50091-1 EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001 VFI-SS-111 |
| Ambient air temperature for operation | 0...40 °C |
| Ambient air temperature for storage | -15...40 °C |
| Storage altitude | 0...15240 m |
| Relative humidity | 0...95 % |
| Storage Relative Humidity | 0...95 % |
| NEMA degree of protection | NEMA 1 |
| Acoustic level | 61 dBA |
| Heat dissipation | 7719 Btu/h |
| Operating altitude | 0...3333 ft |

Packing Units

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 214 cm |
| Package 1 Width | 121 cm |
| Package 1 Length | 84.8 cm |
| Package 1 Weight | 858 kg |

Contractual warranty

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|----------------------|----|
| Warranty (in months) | 12 |
|----------------------|----|



Environmental Data

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 >](#)

Use Better



Materials and Substances

[EU RoHS Directive](#)

Compliant with Exemptions



Energy efficiency

Energy Efficiency Optimized

Energy efficient product

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

Take-back

No

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins