

# Product datasheet

Specifications



## Symmetra PX 48kW All-in-One, without Batteries, 400V

SY48K48H-PDNB

**Price: 936,560.00 ZAR**

### Overview

<b>Presentation</b>	Scalable power and 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. To be used with either external third party battery system, or with internal long life modular batteries SYBT9-B4LL.
<b>Lead time</b>	Usually Ships within 3 Weeks

### Main

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

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

<b>Output voltage tolerance</b>	+/- 1% static and +/- 5% at 100% load step
<b>UPS type</b>	Double conversion online
<b>Wave type</b>	Sine wave
<b>Output frequency</b>	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
<b>Required output current protection</b>	100 A

## Complementary

<b>Battery type</b>	External battery system
<b>Additional information</b>	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
<b>Extended runtime</b>	0
<b>Number of battery filled slots</b>	0
<b>Number of battery free slots</b>	0
<b>Control panel</b>	Multifunction LCD status and control console
<b>Emergency power off</b>	Yes
<b>Free slots</b>	2
<b>Preinstalled device</b>	Network management card with CAN
<b>Height</b>	199.1 cm
<b>Width</b>	60 cm
<b>Depth</b>	107 cm
<b>Net weight</b>	397 kg
<b>USB compatible</b>	No
<b>Provided equipment</b>	Network management card Start-up service
<b>Bypass voltage tolerance</b>	+/- 10 % settable from +/- 4/6/8 and 10 %
<b>Bypass wiring configuration</b>	5 wire (3P + N + E)
<b>Max bypass input current</b>	80 A
<b>Bypass current protection</b>	80 A
<b>Number of power module filled slots</b>	0
<b>Number of power module free slots</b>	0
<b>Redundant</b>	No

## Environment

<b>Standards</b>	EN 50091-1 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001 VFI-SS-111
<b>Ambient air temperature for operation</b>	0...40 °C
<b>Ambient air temperature for storage</b>	-15...40 °C
<b>Storage altitude</b>	0...15240 m
<b>Relative humidity</b>	0...95 %

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<b>Storage Relative Humidity</b>	0...95 %
<b>NEMA degree of protection</b>	NEMA 1
<b>Acoustic level</b>	61 dBA
<b>Heat dissipation</b>	7719 Btu/h
<b>Operating altitude</b>	0...3333 ft

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## Packing Units

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<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	214 cm
<b>Package 1 Width</b>	121 cm
<b>Package 1 Length</b>	84.8 cm
<b>Package 1 Weight</b>	430 kg

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## Contractual warranty

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<b>Warranty (in months)</b>	12
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## 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

SCIP Number

F4c2965e-f80d-4830-8cd4-be926afb0f45

REACH Regulation

[REACH Declaration](#)

### 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