

# Product data sheet

Specifications



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

SY48K48H-PDNB

### Overview

Presentation	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.
Lead Time	Usually Ships within 3 Weeks

### Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 400 V 415 V
Main Output Voltage	230 V 400 V 3 phases
Other Output Voltage	380 V 400 V 415 V
Rated Power In W	48000 W
Rated Power In Va	48000 VA
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
Battery Type	External battery system
Provided Equipment	Network management card Start-up service

### Batteries & Runtime

Run Time	<a href="#">View Runtime Graph</a>
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
Extended Runtime	0

### General

Bypass Wiring Configuration	5 wire (3P + N + E)
Bypass Voltage Tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %
Max Bypass Input Current	80 A
Bypass Current Protection	80 A
Number Of Power Module Free Slots	0

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 Power Module Filled Slots	0
Redundant	No

## Physical

Height	199.1 cm
Width	60 cm
Depth	107 cm
Net Weight	397 kg
Usb Compatible	No

## Input

Network Frequency	40...70 Hz
Number Of Input Connectors	1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	340...477 V
Maximum Input Current	98 A
Switching Current Capacity	100 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
Input Power Factor At Full Load	0.99

## Output

Maximum Configurable Power In W	48000 W
Harmonic Distortion	Less than 2 %
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
Ups Type	Double conversion online
Wave Type	Sine wave
Output Voltage Tolerance	+/- 1% static and +/- 5% at 100% load step
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%
Required Output Current Protection	100 A
Bypass Type	Built-in static bypass
Maximum Configurable Power In Va	48000 VA

## Conformance

Standards	EN 50091-1 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001 VFI-SS-111
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## Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...3333 ft
Ambient Air Temperature For Storage	-15...40 °C
Storage Relative Humidity	0...95 %
Storage Altitude	0.00...15240.00 m
Acoustic Level	61 dBA
Heat Dissipation	7719 Btu/h
Nema Degree Of Protection	NEMA 1

## Communications & Management

Free Slots	2
Preinstalled Device	Network management card with CAN
Control Panel	Multifunction LCD status and control console
Emergency Power Off	Yes

## 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	430 kg

## Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Eu Rohs Directive

Under investigation

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