

Product datasheet

Specifications



Symmetra PX 16kW All-In-One, Scalable to 48kW, without Batteries, 400V

SY16K48H-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	16000 W
Rated power in VA	16000 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

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
Battery power in VAH	0 VAh runtime
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
Number of power module filled slots	0
Redundant	No

Physical

Height	199.1 cm
Width	60 cm
Depth	107 cm
Product weight	341 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	33 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 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001
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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	2573 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	368 kg

Offer Sustainability

EU RoHS Directive	Not compliant
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Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Recommended replacement(s)