

Product datasheet

Specifications



Symmetra PX 32kW All-In-One, Scalable to 48kW, 400V

SY32K48H-PD

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

Main Output Voltage 230 V
400 V 3 phases

Other Output Voltage 380 V
400 V
415 V

Rated Power In W 32000 W

Rated Power In Va 32000 VA

Output Connector Type Hard wire 5-wire (3P + N + E) 1

Battery Type VRLA

Provided Equipment Network management card
Start-up service

Batteries & Runtime

Run Time [View Runtime Graph](#)

Number Of Battery Filled Slots 3

Number Of Battery Free Slots 1

Battery Recharge Time 3 h

Number Of Battery Replacement Quantity 4

Additional Information Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage

Battery Voltage +/- 192 V (split battery referenced to neutral)

Discharge Battery Voltage +/- 154 V

Overcurrent Protection 756 A

Maximum Short-Circuit Current 2 kA

Max Current Discharge 110 A

Battery Charger Power 3445 W rated

Battery Design Life 5...8 year(s)

Extended Runtime 1

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	180 A
Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	3
Redundant	Yes

Physical

Colour	Black
Height	199.1 cm
Width	60 cm
Depth	107 cm
Net Weight	666.4 kg
Usb Compatible	No

Input

Network Frequency	40...70 Hz auto-sensing
Number Of Input Connectors	1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	340...477 V
Maximum Input Current	65 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%
Bypass Type	Built-in static bypass

Efficiency	95 % (full load) 95 % (half load) 94 % (in battery operation)
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Maximum Configurable Power In Va	48000 VA
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Conformance

Product Certifications	EUROBAT
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Standards	EN 50091-1 EN/IEC 62040-1-1 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
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Relative Humidity	0...95 %
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Operating Altitude	0...3333 ft
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Ambient Air Temperature For Storage	-15...40 °C
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Storage Relative Humidity	0...95 %
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Storage Altitude	0.00...15240.00 m
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Acoustic Level	61 dBA
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Heat Dissipation	5146 Btu/h
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Nema Degree Of Protection	NEMA 1
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Communications & Management

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

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	215 cm
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Package 1 Width	121 cm
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Package 1 Length	84.8 cm
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Package 1 Weight	718 kg
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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-CO₂ products.

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

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Eu Rohs Directive

Will be compliant – Date to be confirmed
