

Product data sheet

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

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

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)
Maximum configurable power in VA	48000 VA

Conformance

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

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	0.0000000000...15240.0000000000 m
Acoustic level	61 dBA
Heat dissipation	5146 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	215 cm
Package 1 Width	121 cm
Package 1 Length	84.8 cm
Package 1 Weight	718 kg

Contractual warranty

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