

Product data sheet

Specifications



Symmetra PX 32kW Scalable to 160kW, 400V w/ Integrated Modular Distribution

SY32K160H-PD

Overview

Presentation	A high-efficiency 3-phase UPS with integrated modular distribution that can be right-sized to your data center power requirements. With scalable power, distribution and run-time, this UPS grows with your data center up to 160kW/160kVA. Suitable for small to medium data centers or individual zones of large data centers.
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	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 User manual

Batteries & Runtime

Run Time	View Runtime Graph
Number Of Battery Filled Slots	3
Number Of Battery Free Slots	6
Battery Recharge Time	3.5 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

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

Battery Overload Operation	10 minutes at 125% and 60 seconds at 150%
Battery Charger Power	2954 W rated
Battery Design Life	5...8 year(s)
Battery Power In Vah	10368 VAh runtime
Battery Option	SYBT9-B4 6 31104 VAh SYCFXR9-9 1 62208 VAh SYCFXR9-9 2 93312 VAh SYCFXR9-9 3 124416 VAh SYBT9-B4 3 20736 VAh
Extended Runtime	1

General

Bypass Wiring Configuration	5 wire (3P + N + E)
Max Bypass Input Current	250 A
Bypass Current Protection	250 A
Number Of Power Module Free Slots	8
Number Of Power Module Filled Slots	2
Redundant	Yes

Physical

Colour	Black
Height	199.1 cm
Width	120 cm
Depth	107 cm
Net Weight	1095.4 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	59 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	160000 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

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 < 5% for full non-linear load
Output Overload Operation	10 minutes at 125% and 60 seconds at 150%
Required Output Current Protection	250 A
Neutral Output Current	80 A
Bypass Type	Built-in static bypass
Efficiency	95 % (full load) 95 % (half load) 94 % (in battery operation)
Maximum Configurable Power In Va	160000 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	0.00...15240.00 m
Acoustic Level	61 dBA
Heat Dissipation	5146 Btu/h
Nema Degree Of Protection	NEMA 1
Ip Degree Of Protection	IP20

Communications & Management

Free Slots	2
Preinstalled Device	Network management card with CAN
Control Panel	Multifunction LCD status and control console
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off	Yes

Packing Units

Package 1 Weight	1189 kg
Package 1 Height	214 cm

Package 1 Width	169.6 cm
Package 1 Length	121 cm

Contractual warranty

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

Green Premium™ label 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- 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 >](#)

Eu Rohs Directive

Not compliant
