Product datasheet

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)
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	0.0000000000…15240.0000000000 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
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	169.6 cm
Package 1 Weight	1189 kg

Contractual warranty

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

Sustainability

Green Premium^{TM} 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_2 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	Under investigation

Image of product / Alternate images

Alternative

