Product datasheet

Specifications

Symmetra PX 32kW Scalable to 96kW, 400 V

SY32K96H

Overview

Presentation	Modular, high-efficiency 3-phase UPS that is scalable as your Data Center grows up to 96kW/96kVA. Suitable for small and medium Data Center applications.
Lead time	Usually Ships within 3 Weeks

Main

Main Input Voltage	400 V 3 phases
Main Output Voltage	230 V 400 V 3 phases
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	189 A
maximum short-circuit current	2 kA
Max current discharge	111 A
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

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

Bypass wiring configuration	5 wire (3P + N + E)
Max bypass input current	139 A
Bypass current protection	160 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	1029 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	200 A
Max short time withstand current	30 kA
Input harmonic distortion	Less than 5 % for full load
Load power factor	0.5 leading to 0.5 lagging
Input Power Factor at Full Load	0.99

Output

Maximum configurable power in W	96000 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 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	160 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	96000 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	63 dBA
Heat dissipation	5748 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	1124 kg

Contractual warranty

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

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-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 >

Well-being performance

Rohs Exemption Information	Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information