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

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)

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 power in VAH	10368 VAh runtime
Battery option	SYBT9-B4 1 13824 VAh SYCFXR48-9 1 44928 VAh SYCFXR48-9 2 76032 VAh SYCFXR48-9 3 107136 VAh SYCFXR48-9 4 138240 VAh
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)
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	0.00…15240.00 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

Offer Sustainability

EU RoHS Directive	Will be compliant – Date to be confirmed

Contractual warranty

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

Recommended replacement(s)