Technical Specifications
Symmetra PX 32kW All-In-One, Scalable to 48kW, 400V | SY32K48H-PD | Downloaded on 04/08/2024 (EST)

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Symmetra PX 32kW All-In-One, Scalable to 48kW, 400V

SY32K48H-PD

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- 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.
- Includes: Network management card, Start-up service

Output

Output power capacity	32.0kWatts / 32.0kVA
Max Configurable Power (Watts)	48.0kWatts / 48.0kVA
Nominal Output Voltage	230V, 400V 3PH
Output Voltage Note	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Efficiency at Full Load	95.0 %
Output Voltage Distortion	Less than 2 %
Output Frequency (sync to mains)	50 Hz +/- 0.1 % For 50 Hz nominal Unsynchronised, 50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz Sync to mains, 60 Hz +/- 0.1 % For 60 Hz nominal Unsynchronised
Other Output Voltages	380 V, 400 V, 415 V
Topology	Double conversion online
Waveform type	Sine wave
Overload Operation	10 minutes at 125% and 60 seconds at 150%
Output Connections	(1) Hard wire 5-wire (3P + N + E)
Output Voltage THD	< 2% for 0 to 100% linear load and < 6% for full non-linear load
Output Voltage Tolerance	+/- 1% static and +/- 5% at 100% load step
Bypass	Built-in static bypass

Input

Nominal Input Voltage	400V 3PH
Input frequency	40 - 70 Hz Auto-sensing
Input Connections	Hard wire 5-wire (3P + N + E)
Input voltage range for main operations	340 - 477V

Disclaimer: 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's applications.

Input

Efficiency at Full Load	95.0 %
Input Total Harmonic Distortion	Less than 5 % for full load
Type of Input Protection Required	GL fuse
Maximum Short Circuit Withstand (Icw)	30.0kAmps
Maximum Input Current	65.0A
Input Power Factor at Full Load	0.99

Batteries & Runtime

Battery type	VRLA
Included Battery Modules	3
Typical recharge time	3hour(s)
Nominal Battery Voltage	+/- 192 V (split battery referenced to neutral)
End of Discharge Maximum Battery Current	110.0A
Battery Slots Empty	1
RBC Quantity	4
Battery Charge Power (Watts)	3.445kWatts
DC Overcurrent Protection	756A
Extendable Run Time	1
End of Discharge Battery Voltage	+/- 154 V
Efficiency in Battery Operation	94.0 %
Maximum Available Short Circuit Current	2kAmps
Runtime	View Runtime Graph (Available in Technical Tab on site)

Communications & Management

Interface Port(s)	DB-9 RS-232, SmartSlot
Control panel	Multifunction LCD status and control console
Emergency Power Off (EPO)	Yes
Available SmartSlot™ Interface Quantity	2

Physical

Maximum Height	1991MM, 199.1CM
Maximum Width	600MM, 60.0CM
Maximum Depth	1070MM, 107.0CM
Net Weight	666.4KG
Shipping weight	718.0KG
Shipping Height	2150MM, 215.0CM
Shipping Width	1210MM, 121.0CM
Shipping Depth	848MM, 84.8CM
Color	Black

Environmental

Operating Temperature	0 - 40 °C
Operating Relative Humidity	0 - 95 %
Operating Elevation	0 - 1015.9meters
Storage Temperature	-15 - 40 °C
Storage Relative Humidity	0 - 95 %
Storage Elevation	0 - 15240meters
Audible noise at 1 meter from surface of unit	61.0dBA
Online thermal dissipation	5146.0BTU/hr
Protection Class	NEMA 1

Conformance

Approvals	EN 50091-1, EN/IEC 62040-1-1, EN/IEC 62040-2, EN/IEC 62040-3, EUROBAT, ISO 14001, ISO 9001, VFI-SS-111
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up

General

Bypass Connection	5 wire (3P + N + E)
Bypass Protection Device	180.0
Max Bypass Input Current	80.0A