



## Symmetra PX 64kW Scalable to 160kW, 400V SY64K160H

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- Modular, high-efficiency 3-phase UPS that is scalable as your data center grows up to 160kW/160kVA. Suitable for small, medium & large data center applications.
- Includes: Network management card, Start-up service, User manual

Output	
Output power capacity	64.0kWatts / 64.0kVA
Max Configurable Power (Watts)	160.0kWatts / 160.0kVA
Nominal Output Voltage	230V, 400V 3PH
Neutral Output Current	160A
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
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
Input Connections	Hard wire 5-wire (3P + N + E)
Input voltage range for main operations	340 - 460 (400 V) Adjustable, 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.

## Technical Specifications

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Input	
Efficiency at Full Load	95.0 %
Input Total Harmonic Distortion	Less than 5 % for full load
Maximum Short Circuit Withstand (Icw)	30.0kAmps
Maximum Input Current	118.0A
Input Power Factor at Full Load	0.99

Batteries & Runtime	
Battery type	VRLA
Included Battery Modules	6
Typical recharge time	3.5hour(s)
Nominal Battery Voltage	+/- 192 V (split battery referenced to neutral)
End of Discharge Maximum Battery Current	221.0A
Battery Slots Empty	3
RBC Quantity	4
Battery Charge Power (Watts)	5.908kWatts
DC Overcurrent Protection	320A
Extendable Run Time	1
End of Discharge Battery Voltage	+/- 154 V
Efficiency in Battery Operation	94.0 %
Maximum Available Short Circuit Current	4kAmps
Overload Operation	10 minutes at 125% and 60 seconds at 150%
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

Physical	
Maximum Height	1991MM, 199.1CM

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Physical	
Maximum Width	1200MM, 120.0CM
Maximum Depth	1070MM, 107.0CM
Net Weight	1388.0KG
Shipping weight	1511.0KG
Shipping Height	2140MM, 214.0CM
Shipping Width	1210MM, 121.0CM
Shipping Depth	1696MM, 169.6CM
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	63.0dBA
Online thermal dissipation	11496.0BTU/hr
Protection Class	IP20, 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	250.0
Max Bypass Input Current	250.0A

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