

# Product data sheet

Specifications



## Symmetra PX 150kW Scalable to 250kW with Right Mounted Maintenance Bypass and Distribution

SY150K250DR-PD

### Overview

Presentation	A high-performance, 3-phase, modular, scalable, power protection solution with industry-leading efficiency, capacity, and performance for medium to large data centers and mission critical environments.
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Lead time	Usually Ships within 6 Weeks
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### Main

Main Input Voltage	3 phase 3 phase
Other Input Voltage	415 V
Main Output Voltage	480 V 3 phase 400 V 3 phase
Other Output Voltage	415 V
Kw Rating	150000 W
Rated power in VA	150000 VA
Output connector type	Hard Wire 4-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G) 1
Battery Type	VRLA
Provided equipment	Assembly service Installation guide Network Management Card Start-Up Service User Manual

### General

Bypass Voltage Tolerance	+/-10% settable from +/-4/6/8 and 10%
Number of power module free slots	4
Number of power module filled slots	6
Redundant	Yes

### Physical

Color	Black
Height	78.39 in (199.1 cm)
Width	122.05 in (310 cm)
Depth	42.13 in (107 cm)

Net Weight	7819.80 lb(US) (3547 kg)
USB compatible	No
<b>Input</b>	
Input Frequency	40 - 70 Hz auto-sensing
Number of input connectors	1 Hard Wire 4-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G)
Efficiency at full load	340...460 V 400 V 408...552 V 480 V
Maximum Short Circuit Withstand (Icw)	50 kA
Input Total Harmonic Distortion	Less than 5% for full load
Input protection type	3-pole breaker
Load power factor	0.5 leading to 0.5 lagging
Input Power Factor at Full Load	0.99

## Output

Max Configurable Power (Watts)	500000 W
Harmonic distortion	Less than 2%
Output frequency	50 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz sync to mains
Topology	Double Conversion Online
Waveform Type	Sine wave
Output voltage tolerance	+/-1% static and +/- 5% at 100% load step
Output Voltage THD	< 2% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Maintenance Bypass Built-in Static Bypass  97 % in battery operation)
Maximum configurable power in VA	500000 VA
Transfer Time	2ms typical

## Conformance

Product Certifications	cUL Listed Eurobat General Purpose
Standards	CSA C22.2 No.107.3-05 EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 OSHPD UL 1778 UL 60950-1

## Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 %
Operating altitude	0...3333 ft
Ambient Air Temperature for Storage	5...104 °F (-15...40 °C)

Storage Relative Humidity	0...95 %
Storage altitude	0...50000 ft (0.00...15240.00 m)
Acoustic level	54 dBA
Heat dissipation	18568 Btu/h
NEMA degree of protection	NEMA 1
IP degree of protection	IP20

### Batteries & Runtime

Included Battery Modules	10
Battery Slots Empty	36
Typical recharge time	3.5 h
RBC Quantity	6 10 minutes @ 125% and 60 seconds @ 150%
Battery Charge Power (Watts)	14769 W rated
Battery design life	5...8 year(s)
Battery power in VAH	51840 VAh runtime
Battery option	SYBT9-B6 6 82944 VAh SYBFXR8-8 1 124416 VAh SYBFXR8-8 2 165888 VAh SYBFXR8-8 6 331776 VAh SYBT9-B6 3 67392 VAh SYBFXR8-8 3 207360 VAh SYBFXR8-8 4 248832 VAh SYBFXR8-8 5 290304 VAh
Extendable Run Time	1

### Communications & Management

Free slots	1
Pre-Installed SmartSlot™ Cards	Network management card 2 with environmental monitoring, out of band access and Modbus
Control panel	Touch Screen LCD User Interface
Emergency Power Off (EPO)	Optional

### Ordering and shipping details

Package 1 Weight	8613.47 lb(US) (3907 kg)
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### Packing Units

Package 1 Height	84.65 in (215 cm)
Package 1 Width	161.81 in (411 cm)
Package 1 Length	50.00 in (127 cm)

### Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Not compliant
Optimized Energy Efficiency	Energy efficient product

### Contractual warranty

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