

# Product datasheet

Specifications



## Symmetra PX 125kW Scalable to 500kW with Maintenance Bypass and Distribution, No Batteries

SY125K500DR-PDNB

### Overview

<b>Presentation</b>	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.
<b>Lead Time</b>	Usually Ships within 6 Weeks

### Main

<b>Main Input Voltage</b>	480 V 3 phases 400 V 3 phases
<b>Other Input Voltage</b>	415 V
<b>Main Output Voltage</b>	480 V 3 phases 400 V 3 phases
<b>Other Output Voltage</b>	415 V
<b>Rated Power In W</b>	125000 W
<b>Rated Power In Va</b>	125000 VA
<b>Output Connector Type</b>	Hard wire 4-wire (3P + E) 1
<b>Provided Equipment</b>	Assembly service Installation guide Network management card Start-up service User manual

### Batteries & Runtime

<b>Efficiency</b>	<a href="#">View Efficiency Graph</a>
<b>Number Of Battery Free Slots</b>	0
<b>Extended Runtime</b>	1

### General

<b>Bypass Voltage Tolerance</b>	+/- 10 % settable from +/- 4/6/8 and 10 %
<b>Number Of Power Module Free Slots</b>	15
<b>Number Of Power Module Filled Slots</b>	5
<b>Redundant</b>	Yes

### Physical

<b>Colour</b>	Black
<b>Height</b>	199.1 cm
<b>Width</b>	220 cm

Depth	107 cm
Net Weight	1499 kg
Usb Compatible	No

## Input

Network Frequency	40...70 Hz auto-sensing
Number Of Input Connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	408...552 V 480 V
Max Short Time Withstand Current	50 kA
Input Harmonic Distortion	Less than 5 % for full load
Input Protection Type	3-pole circuit breaker
Load Power Factor	0.5 leading to 0.5 lagging
Input Power Factor At Full Load	0.99

## Output

Maximum Configurable Power In W	500000 W
Harmonic Distortion	Less than 2 %
Output Frequency	50 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz sync to mains
Ups Type	Double conversion online
Wave Type	Sine wave
Output Voltage Tolerance	+/- 1% static and +/- 5% at 100% load step
Output Harmonic Distortion	< 2% linear load and < 3% non-linear load
Output Overload Operation	10 minutes at 125% and 60 seconds at 150%
Bypass Type	Built-in maintenance bypass Built-in static bypass
Efficiency	96 % (in battery operation)
Maximum Configurable Power In Va	500000 VA
Transfer Time	2 ms typical

## Conformance

Product Certifications	cUL listed UL listed
Standards	CSA C22.2 No 107.3-05 EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 UL 1778 UL 60950-1

## Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...3333 ft

<b>Ambient Air Temperature For Storage</b>	-30...70 °C
<b>Storage Relative Humidity</b>	0...95 %
<b>Storage Altitude</b>	0.00...15240.00 m
<b>Acoustic Level</b>	54 dBA
<b>Heat Dissipation</b>	19427 Btu/h
<b>Nema Degree Of Protection</b>	NEMA 1
<b>Ip Degree Of Protection</b>	IP20

## Communications & Management

<b>Free Slots</b>	1
<b>Preinstalled Device</b>	Network management card 2 with environmental monitoring, out of band access and Modbus
<b>Control Panel</b>	Touch screen LCD user interface
<b>Emergency Power Off</b>	Optional

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	215 cm
<b>Package 1 Width</b>	127 cm
<b>Package 1 Length</b>	187 cm
<b>Package 1 Weight</b>	1686 kg

## Contractual warranty

<b>Warranty</b>	1 year on-site repair or replace with factory authorized Start-Up
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## 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<sub>2</sub> products.

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Energy Efficient

## Resource performance

Energy Efficient Product

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Eu Rohs Directive

Not compliant

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