

Product datasheet

Specifications



Symmetra PX 125kW Scalable to 250kW with Left Mounted Maintenance Bypass and Distribution

SY125K250DL-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.

Lead time Special Order - Call for Quoted Lead Times

Main

Main Input Voltage 480 V 3 phases
400 V 3 phases

Other Input Voltage 415 V

Main Output Voltage 480 V 3 phases
400 V 3 phases

Other Output Voltage 415 V

Rated power in W 125000 W

Rated power in VA 125000 VA

Output connector type Hard wire 4-wire (3P + E) 1
Hard wire 5-wire (3P + N + E) 1

Battery type VRLA

Provided equipment Assembly service
Installation guide
Network management card
Start-up service
User manual

Batteries & Runtime

Number of battery filled slots 8

Number of battery free slots 0

Battery recharge time 3.5 h

Number of battery replacement quantity 6

Battery overload operation 10 minutes at 125% and 60 seconds at 150%

Battery charger power 11815 W rated

Battery design life 5...8 year(s)

Battery power in VAh 41472 VAh runtime

Battery option SYBFXR8-8 1 82944 VAh
SYBFXR8-8 2 124416 VAh
SYBFXR8-8 3 165888 VAh
SYBFXR8-8 7 331776 VAh

SYBFXR8-8 4 207360 VAh
SYBFXR8-8 5 248832 VAh
SYBFXR8-8 6 290304 VAh

Extended runtime 1

General

Bypass voltage tolerance +/- 10 % settable from +/- 4/6/8 and 10 %

Number of power module free slots 5

Number of power module filled slots 5

Redundant Yes

Physical

Colour Black

Height 199.1 cm

Width 235 cm

Depth 107 cm

Product weight 2825 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 340...460 V 400 V
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 250000 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 EUROBAT UL listed
------------------------	------------------------------------

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	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	54 dBA
----------------	--------

Heat dissipation	15473 Btu/h
------------------	-------------

NEMA degree of protection	NEMA 1
---------------------------	--------

IP degree of protection	IP20
-------------------------	------

Communications & Management

Free slots	1
------------	---

Preinstalled device	Network management card 2 with environmental monitoring, out of band access and Modbus
---------------------	--

Control panel	Touch screen LCD user interface
---------------	---------------------------------

Emergency power off	Optional
---------------------	----------

Packing Units

Unit Type of Package 1	PCE
------------------------	-----

Number of Units in Package 1	1
------------------------------	---

Package 1 Height	215 cm
------------------	--------

Package 1 Width	127 cm
-----------------	--------

Package 1 Length	299 cm
------------------	--------

Package 1 Weight	3104 kg
------------------	---------

Offer Sustainability

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
----------	---

Recommended replacement(s)