Product data sheet

Specifications

Symmetra PX 125kW Scalable to 250kW with MBP and Distribution, No Batteries, Japan

SY125K250JDR-PDNB

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	400 V 3 phases 415 V 3 phases
Other Input Voltage	380 V 480 V
Main Output Voltage	400 V 3 phases 415 V 3 phases
Other Output Voltage	380 V 480 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	External battery system
Provided Equipment	Assembly service Installation guide Network management card Start-up service User manual

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Number Of Battery Filled Slots	0
Number Of Battery Free Slots	0
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	160 cm
Depth	107 cm
Net Weight	1227 kg
Usb Compatible	No

Input

Network Frequency	40...70 Hz auto-sensing
Number Of Input Connectors	1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	340...460 V 400 V 353...477 V 415 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	96.3 % (in battery operation)
Maximum Configurable Power In Va	500000 VA
Transfer Time	2 ms typical

Conformance

Product Certifications	BAJ 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
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	18989 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	187 cm
Package 1 Weight	1377 kg

Contractual warranty

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

Sustainability

Green Premium^{TM} 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_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Eu Rohs Directive	Under investigation
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins