

Product datasheet

Specifications



APC Symmetra PX 125kW Scalable to 250kW with Maintenance Bypass Left, Distribution & No Batteries

SY125K250DL-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 Usually Ships within 6 Weeks

Main

Main Input Voltage 400 V 3 phases
480 V 3 phases

Other Input Voltage 400 V
415 V

Main Output Voltage 400 V 3 phases
480 V 3 phases

Other Output Voltage 380 V
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 External battery system

Provided equipment Assembly service
Installation guide
Start-up service
User manual
Web/SNMP management card

Batteries & Runtime

Number of battery filled slots 0

Number of battery free slots 0

Battery recharge time 8 h

Battery power in VAh 0 VAh runtime

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
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Redundant	Yes
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Physical

Colour	Black
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Height	199.1 cm
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Width	160 cm
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Depth	107 cm
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Product weight	1233.18 kg
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USB compatible	No
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Input

Network frequency	40...70 Hz auto-sensing
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Number of input connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
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Input voltage limits	408...552 V 480 V
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Max short time withstand current	50 kA
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Input harmonic distortion	Less than 5 % for full load
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Input protection type	3-pole circuit breaker
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Load power factor	0.5 leading to 0.5 lagging
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Input Power Factor at Full Load	0.99
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Output

Maximum configurable power in W	250000 W
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Harmonic distortion	Less than 2 %
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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
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Crest factor	Unlimited
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UPS type	Double conversion online
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Wave type	Sine wave
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Output voltage tolerance	+/- 1% static and +/- 5% at 100% load step
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Output harmonic distortion	< 2% linear load and < 3% non-linear load
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Output overload operation	10 minutes at 125% and 60 seconds at 150%
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Bypass type	Built-in maintenance bypass Built-in static bypass
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Efficiency	96 % (in battery operation)
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Maximum configurable power in VA	500000 VA
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Transfer time	2 ms typical
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Conformance

Product certifications	cUL listed UL listed
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Standards	CSA C22.2 No 107.3-05 EN/IEC 62040-1-1 EN/IEC 62040-2
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Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 %
Operating altitude	0...3333 ft
Ambient air temperature for storage	-30...70 °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	187 cm
Package 1 Weight	1380.45 kg

Offer Sustainability

EU RoHS Directive	Under investigation
China RoHS Regulation	China RoHS declaration
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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Recommended replacement(s)