

Product datasheet

Specifications



Symmetra PX 500kW Scalable to 500kW with Maintenance Bypass Left & Distribution

SY500K500DL-PD

Price: 7,801,600.00 ZAR

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 480 V 3 phases
400 V 3 phases

Input voltage 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

Cos phi 0.99

Input voltage limits 340...460 V 400 V
408...552 V 480 V

Number of input connectors 1 hard wire 4-wire (3P + E)
1 hard wire 5-wire (3P + N + E)

Network frequency 40...70 Hz auto-sensing

Output voltage 480 V 3 phases
400 V 3 phases

Output voltage 380 V
415 V

Rated power in W 500000 W

rated power in VA 500000 VA

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

Bypass type Built-in maintenance bypass
Built-in static bypass

Harmonic distortion Less than 2 %

Maximum configurable power in VA 500000 VA

Maximum configurable power in W 500000 W

Output harmonic distortion < 2% linear load and < 3% non-linear load

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

Output voltage tolerance +/- 1% static and +/- 5% at 100% load step

Transfer time 2 ms typical

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

UPS type	Double conversion online
Wave type	Sine wave
Efficiency	96 % (in battery operation)
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

Complementary

Battery type	VRLA
Extended runtime	1
Number of battery filled slots	32
Number of battery free slots	0
Battery recharge time	3.5 h
Number of battery replacement quantity	6
Battery design life	5...8 year(s)
Battery charger power	47262 W rated
Battery overload operation	10 minutes at 125% and 60 seconds at 150%
Control panel	Touch screen LCD user interface
Emergency power off	Optional
Free slots	1
Preinstalled device	Network management card 2 with environmental monitoring, out of band access and Modbus
Colour	Black
Height	199.1 cm
Width	520 cm
Depth	107 cm
Net weight	8521 kg
USB compatible	No
Provided equipment	Assembly service Installation guide Network management card Start-up service User manual
Bypass voltage tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %
Number of power module filled slots	20
Number of power module free slots	0
Redundant	Yes

Environment

Product certifications	cUL listed EUROBAT UL listed
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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
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-15...40 °C
Storage altitude	0...15240 m
IP degree of protection	IP20
Relative humidity	0...95 %
Storage Relative Humidity	0...95 %
NEMA degree of protection	NEMA 1
Acoustic level	54 dBA
Heat dissipation	61893 Btu/h
Operating altitude	0...3333 ft

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	710 cm
Package 1 Weight	9314 kg

Contractual warranty

Warranty (in months)	12
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Under investigation
REACH Regulation	REACH Declaration



Energy efficiency

Energy Efficiency Optimized	Energy efficient product
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Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture


Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

