

Product datasheet

Specifications



Symmetra PX 500kW Scalable to 500kW without Maintenance Bypass or Distribution-Parallel Capable

SY500K500D

Price: 7,544,000.00 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. Multiple UPSs can be installed in parallel for ultra-efficient system redundancy or up to 2MW of power protection. Parallel installations with custom switchgear and installations using a 3rd-party maintenance bypass panel require the APC Symmetra PX250/500 Third Party Switchgear Kit for breaker monitoring and EPO functionality.

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 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%

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

Output voltage tolerance	+/- 1% static and +/- 5% at 100% load step
Transfer time	2 ms typical
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 199.1 cm
Width	480 cm 60 cm
Depth	107 cm
Net weight	8158 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	8937 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**



Energy efficiency

Energy Efficiency Optimized **Energy efficient product**

Use Longer



Lifetime extension

Repair **No**

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

