

Product datasheet

Specifications



Symmetra PX 160kW 400V

SY160K160H

Price: 2,668,000.00 ZAR

Overview

Presentation Modular, high-efficiency 3-phase UPS that is scalable as your data center grows up to 160kW/160kVA. Suitable for small, medium & large data center applications.

Lead time Usually Ships within 3 Weeks

Main

Main Input Voltage	400 V 3 phases
Input voltage	380 V 415 V
Maximum input current	295 A
Max short time withstand current	30 kA
Input harmonic distortion	Less than 5 % for full load
Load power factor	0.5 leading to 0.5 lagging
Cos phi	0.99
Switching current capacity	315 A
Input voltage limits	340...477 V
Number of input connectors	1 hard wire 5-wire (3P + N + E)
Network frequency	40...70 Hz
Output voltage	230 V 400 V 3 phases
Rated power in W	160000 W
rated power in VA	160000 VA
Output connector type	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	160000 VA
Maximum configurable power in W	160000 W
Output harmonic distortion	< 2% for 0 to 100% linear load and < 6% for full 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
UPS type	Double conversion online
Wave type	Sine wave
Efficiency	94 % (in battery operation)

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

Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Neutral output current	400 A
Required output current protection	250 A

Complementary

Battery type	VRLA
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery voltage	+/- 192 V (split battery referenced to neutral)
Extended runtime	1
Maximum short-circuit current	10 kA
Number of battery filled slots	15
Number of battery free slots	3
Battery recharge time	3.5 h
Number of battery replacement quantity	4
Max current discharge	552 A
Overcurrent protection	945 A
Battery design life	5...8 year(s)
Discharge battery voltage	+/- 154 V
Battery charger power	14769 W rated
Battery overload operation	10 minutes at 125% and 60 seconds at 150%
Control panel	Multifunction LCD status and control console
Emergency power off	Yes
Free slots	2
Preinstalled device	Network management card with CAN
Colour	Black
Height	199.1 cm
Width	180 cm
Depth	107 cm
Net weight	2812 kg
USB compatible	No
Provided equipment	Network management card Start-up service User manual
Bypass wiring configuration	5 wire (3P + N + E)
Max bypass input current	250 A
Bypass current protection	250 A
Number of power module filled slots	10
Number of power module free slots	0
Redundant	Yes

Environment

Product certifications	EUROBAT
Standards	EN 50091-1 EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001 VFI-SS-111
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	63 dBA
Heat dissipation	28741 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	214 cm
Package 1 Width	121 cm
Package 1 Length	255.4 cm
Package 1 Weight	3051 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

[EU RoHS Directive](#)

Compliant with Exemptions

SCIP Number

F4c2965e-f80d-4830-8cd4-be926afb0f45

REACH Regulation

[REACH Declaration](#)



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