

# Product datasheet

Specifications



## Symmetra PX 160kW 400V w/ integrated modular distribution

SY160K160H-PD

**Price: 3,017,600.00 ZAR**

### Overview

**Presentation** A high-efficiency 3-phase UPS with integrated modular distribution that can be right-sized to your data center power requirements. With scalable power, distribution and run-time, this UPS grows with your data center up to 160kW/160kVA. Suitable for small to medium data centers or individual zones of large data centers.

**Lead time** Usually Ships within 3 Weeks

### Main

<b>Main Input Voltage</b>	400 V 3 phases
<b>Maximum input current</b>	295 A
<b>Max short time withstand current</b>	30 kA
<b>Input harmonic distortion</b>	Less than 5 % for full load
<b>Load power factor</b>	0.5 leading to 0.5 lagging
<b>Cos phi</b>	0.99
<b>Switching current capacity</b>	315 A
<b>Input voltage limits</b>	340...477 V
<b>Number of input connectors</b>	1 hard wire 5-wire (3P + N + E)
<b>Network frequency</b>	40...70 Hz
<b>Output voltage</b>	230 V 400 V 3 phases
<b>Rated power in W</b>	160000 W
<b>rated power in VA</b>	160000 VA
<b>Output connector type</b>	Hard wire 5-wire (3P + N + E) for 1 zone(s)
<b>Bypass type</b>	Built-in static bypass
<b>Harmonic distortion</b>	Less than 2 %
<b>Maximum configurable power in VA</b>	160000 VA
<b>Maximum configurable power in W</b>	160000 W
<b>Output harmonic distortion</b>	< 2% for 0 to 100% linear load and < 6% for full non-linear load
<b>Output overload operation</b>	10 minutes at 125% and 60 seconds at 150%
<b>Output voltage tolerance</b>	+/- 1% static and +/- 5% at 100% load step
<b>UPS type</b>	Double conversion online
<b>Wave type</b>	Sine wave
<b>Efficiency</b>	94 % (in battery operation)
<b>Output frequency</b>	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised

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

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	550 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	2878 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
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<b>Standards</b>	EN 50091-1 EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001 VFI-SS-111
<b>Ambient air temperature for operation</b>	0...40 °C
<b>Ambient air temperature for storage</b>	-15...40 °C
<b>Storage altitude</b>	0...15240 m
<b>IP degree of protection</b>	IP20
<b>Relative humidity</b>	0...95 %
<b>Storage Relative Humidity</b>	0...95 %
<b>NEMA degree of protection</b>	NEMA 1
<b>Acoustic level</b>	63 dBA
<b>Heat dissipation</b>	28741 Btu/h
<b>Operating altitude</b>	0...3333 ft

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	214 cm
<b>Package 1 Width</b>	121 cm
<b>Package 1 Length</b>	223.5 cm
<b>Package 1 Weight</b>	3116 kg

## Contractual warranty

<b>Warranty (in months)</b>	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](#)

Compliant with Exemptions

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