

# Product datasheet

Specifications



## Symmetra PX 96kW Scalable to 160kW, without Bypass, Distribution, or Batteries, 400V

SY96K160H-NB

**Price: 1,282,480.00 ZAR**

### Overview

**Presentation** A high-efficiency, modular 3-phase UPS that offers internal redundancy for your data center requirements. With scalable power, this UPS grows with your data center up to 160kW/kVA. Pair with the Classic Battery Cabinet and the Wall-Mount or 300mm Maintenance Bypass Panel to complete your power protection solution. Please [click here](#) for Classic Battery Cabinet runtime information. 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>	197 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>	96000 W
<b>rated power in VA</b>	96000 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 < 5% 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

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

<b>Efficiency</b>	95 % (full load) 95 % (half load) 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
<b>Neutral output current</b>	240 A
<b>Required output current protection</b>	250 A

## Complementary

<b>Battery type</b>	External battery system
<b>Additional information</b>	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
<b>Extended runtime</b>	0
<b>Number of battery free slots</b>	0
<b>Control panel</b>	Multifunction LCD status and control console
<b>Emergency power off</b>	Yes
<b>Free slots</b>	2
<b>Preinstalled device</b>	Network management card with CAN
<b>Colour</b>	Black
<b>Height</b>	199.1 cm
<b>Width</b>	60 cm
<b>Depth</b>	107 cm
<b>Net weight</b>	496 kg
<b>USB compatible</b>	No
<b>Provided equipment</b>	Network management card Start-up service User manual
<b>Bypass wiring configuration</b>	5 wire (3P + N + E)
<b>Max bypass input current</b>	250 A
<b>Bypass current protection</b>	250 A
<b>Number of power module filled slots</b>	6
<b>Number of power module free slots</b>	4
<b>Redundant</b>	Yes

## Environment

<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 %

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<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>	17244 Btu/h
<b>Operating altitude</b>	0...3333 ft

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## Packing Units

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<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>	84.8 cm
<b>Package 1 Weight</b>	547 kg

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## Contractual warranty

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<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

[EU RoHS Directive](#)

Compliant with Exemptions

SCIP Number

F4c2965e-f80d-4830-8cd4-be926afb0f45

REACH Regulation

[REACH Declaration](#)

### 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