

# Product data sheet

Specifications



## Symmetra PX 32kW Scalable to 160kW, without Bypass, Distribution, or Batteries, 400V

SY32K160H-NB

### Overview



<b>Presentation</b>	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 <a href="http://www.apc.com/wp?dc=3">click here</a> for Classic Battery Cabinet runtime information. Suitable for small to medium data centers or individual zones of large data centers.
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<b>Lead time</b>	Usually Ships within 3 Weeks
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### Main

<b>Main Input Voltage</b>	400 V 3 phases
<b>Main Output Voltage</b>	230 V 400 V 3 phases
<b>Rated power in W</b>	32000 W
<b>Rated power in VA</b>	32000 VA
<b>Output connector type</b>	Hard wire 5-wire (3P + N + E) 1
<b>Battery type</b>	External battery system
<b>Provided equipment</b>	Network management card Start-up service User manual

### Batteries & Runtime

<b>Additional information</b>	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
<b>Battery power in VAh</b>	0 VAh runtime
<b>Extended runtime</b>	0
<b>Replacement battery</b>	<a href="#">SYPBV96K160HA</a>  <a href="#">SYPBV96K160HB</a> 

### General

<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 free slots</b>	8
<b>Number of power module filled slots</b>	2

Redundant	Yes
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## Physical

Colour	Black
Height	199.1 cm
Width	60 cm
Depth	107 cm
Product weight	382 kg
USB compatible	No

## Input

Network frequency	40...70 Hz
Number of input connectors	1 hard wire 5-wire (3P + N + E)
Input voltage limits	340...477 V
Maximum input current	59 A
Switching current capacity	315 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
Input Power Factor at Full Load	0.99

## Output

Maximum configurable power in W	160000 W
Harmonic distortion	Less than 2 %
Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
UPS type	Double conversion online
Wave type	Sine wave
Output harmonic distortion	< 2% for 0 to 100% linear load and < 5% for full non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Required output current protection	250 A
Neutral output current	80 A
Bypass type	Built-in static bypass
Efficiency	95 % (full load) 95 % (half load) 94 % (in battery operation)
Maximum configurable power in VA	160000 VA

## Conformance

Standards	EN 50091-1 EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 14001 ISO 9001 VFI-SS-111
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## Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 %
Operating altitude	0...3333 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.00...15240.00 m
Acoustic level	63 dBA
Heat dissipation	5748 Btu/h
NEMA degree of protection	NEMA 1
IP degree of protection	IP20

## Communications & Management

Free slots	2
Preinstalled device	Network management card with CAN
Control panel	Multifunction LCD status and control console
Emergency power off	Yes

## 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	84.8 cm
Package 1 Weight	421 kg

## Offer Sustainability

EU RoHS Directive	Not compliant
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## Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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## Recommended replacement(s)