



### 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

### General

Provided equipment	Network management card Start-up service User manual
Product web sub-family	Symmetra PX 96/160kW
Bypass wiring configuration	5 wire (3P + N + E)
Max bypass input current	250 A
Bypass current protection	250 A
Performance multiplier	0.350208
Number of tare power	360 W
Number of power module free slots	8
Number of power module filled slots	2
Redundant	Yes
Size UPS version	Internetworking Server Telecom
UPS size	L
Value multiplier	0.81

### Physical

Number of rack unit	42U
Colour	Black
Depth	107 cm
Height	199.1 cm
Mounting location	Front
Mounting preference	No preference
Net weight	1029 kg

Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No
Width	120 cm

## 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
Input voltage	400 V 3 phases
Load power factor	0.5 leading to 0.5 lagging
Cos phi	0.99

## Output

Rated power in W	32000 W
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 connector type	Hard wire 5-wire (3P + N + E) 1
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%
Required output current protection	250 A
Neutral output current	80 A
Bypass type	Built-in static bypass
Curve equation	Efficiency
Curve load maximum	100 %
Curve X-axis maximum	100 %
Curve X-axis minimum	0 %
Curve X-axis title	Load
Curve X-axis units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %
Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Efficiency	95 % (full load) 95 % (half load) 94 % (in battery operation)
Graph display	1
Output voltage	230 V 400 V 3 phases
Maximum configurable power in VA	160000 VA
Rated power in VA	32000 VA

## Conformance

Product certifications	EUROBAT
Standards	EN 50091-1

## 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
Show note OP temperature	No
NEMA degree of protection	NEMA 1
IP degree of protection	IP20

## Batteries & Runtime

Battery type	VRLA
Number of battery filled slots	3
Number of battery free slots	6
Battery recharge time	3.5 h
Number of battery replacement quantity	4
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Liquid value	0
Battery voltage	+/- 192 V (split battery referenced to neutral)
Discharge battery voltage	+/- 154 V
Overcurrent protection	189 A
Maximum short-circuit current	2 kA
Max current discharge	111 A
Battery overload operation	10 minutes at 125% and 60 seconds at 150%
Battery curve	P
Battery charger power	2954 W rated
Battery design life	5...8 year(s)
Battery power in VAh	10368 VAh runtime
Battery option	SYBT9-B4 6 31104 VAh SYCFXR9-9 1 62208 VAh SYCFXR9-9 2 93312 VAh SYCFXR9-9 3 124416 VAh SYBT9-B4 3 20736 VAh
Extended runtime	1

## Communications & Management

Free slots	2
Preinstalled device	Network management card with CAN
Control panel	Multifunction LCD status and control console
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency power off	Yes

## Packing Units

Package 1 Weight	1124 kg
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Package 1 Height	214 cm
Package 1 width	169.6 cm
Package 1 Length	121 cm

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**Offer Sustainability**

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EU RoHS Directive	Not compliant
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**Contractual warranty**

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Warranty	1 year on-site repair or replace with factory authorized Start-Up
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