Product data sheet

Specifications

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

SY96K160H-NB

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

Main Input Voltage	400 V 3 phases
Main Output Voltage	230 V 400 V 3 phases
Rated Power In W	96000 W
Rated Power In Va	96000 VA
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
Battery Type	External battery system
Provided Equipment	Network management card Start-up service User manual

Batteries & Runtime

Run Time	View Runtime Graph
Number Of Battery Free Slots	0
Additional Information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery Power In Vah	0 VAh runtime
Extended Runtime	0
Replacement Battery	SYPBV96K160HA SYPBV96K160HB

General

Bypass Wiring Configuration	5 wire (3P + N + E)
Max Bypass Input Current	250 A
Bypass Current Protection	250 A
Number Of Power Module Free Slots	4
Number Of Power Module Filled Slots	6

Redundant	Yes

Physical

Colour	Black
Height	199.1 cm
Width	60 cm
Depth	107 cm
Net Weight	496 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	197 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 Voltage Tolerance	+/- 1% static and +/- 5% at 100% load step
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	240 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

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

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	17244 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
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off	Yes

Packing Units

Package 1 Weight	547 kg
Package 1 Height	214 cm
Package 1 Width	84.8 cm
Package 1 Length	121 cm

Contractual warranty

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

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Sustainability

Green Premium^{TM} label label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. **Green Premium** promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low- products.
Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Eu Rohs Directive   Under investigation