

Product data sheet

Specifications



Symmetra PX 10kW Scalable to 40kW N+1, 208V

SY10K40F

Overview

Presentation	A high-efficiency 3-phase UPS that is scaleable as your data center grows up to 40kW/40kVA. Suitable for small to medium data center application.
Lead Time	Usually Ships within 3 Weeks

Main

Main Input Voltage	208 V 3 phases
Main Output Voltage	120 V 208 V 208 V 3 phases
Rated Power In W	10000 W
Rated Power In Va	10000 VA
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
Battery Type	Lead-acid battery
Provided Equipment	Network management card Start up included User manual

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Number Of Battery Filled Slots	1
Number Of Battery Free Slots	3
Battery Recharge Time	2 h
Number Of Battery Replacement Quantity	1
Battery Voltage	+/- 192 V (split battery referenced to neutral)
Overcurrent Protection	125 A
Battery Overload Operation	60 seconds at 125% and 30 seconds at 150%
Battery Charger Power	1375 W rated
Extended Runtime	1
Replacement Battery	SYBT4

General

Bypass Wiring Configuration	5 wire (3P + N + E)
Max Bypass Input Current	162 A

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Bypass Current Protection	175 A
Number Of Power Module	5
Number Preinstalled Power Module	1
Number Of Power Module Free Slots	4
Number Of Power Module Filled Slots	1
Redundant	Yes

Physical

Colour	Black
Height	207 cm
Width	60 cm
Depth	90.2 cm
Net Weight	406.82 kg
Usb Compatible	No

Input

Network Frequency	50/60 Hz
Number Of Input Connectors	1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	177...240 V
Maximum Input Current	162 A
Switching Current Capacity	175 A
Max Short Time Withstand Current	30 kA
Input Protection Type	3-pole circuit breaker
Input Power Factor At Full Load	0.99

Output

Maximum Configurable Power In W	40000 W
Harmonic Distortion	Less than 5 %
Output Frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 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	60 seconds at 125% and 30 seconds at 150%
Required Output Current Protection	150 A
Bypass Type	Built-in static bypass
Efficiency	94 % (in battery operation)
Maximum Output Current	111 A
Maximum Configurable Power In Va	40000 VA

Conformance

Product Certifications	cUL listed
Standards	CSA C22.2 No 107.3-05 EN 50091-1 EN 50091-2 EN 50091-3 FCC part 15 class A ISO 14001 ISO 9001 UL 1778 UL 60950

Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...10000 ft
Ambient Air Temperature For Storage	-15...40 °C
Storage Relative Humidity	0...95 %
Storage Altitude	0.00...15240.00 m
Acoustic Level	64 dBA
Heat Dissipation	3381 Btu/h
Nema Degree Of Protection	NEMA 1

Communications & Management

Free Slots	2
Preinstalled Device	Network management card 2 - Masterpack for Symmetra 3-Phase
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	231.1 cm
Package 1 Width	105.4 cm
Package 1 Length	74.9 cm
Package 1 Weight	453.18 kg

Contractual warranty

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

Green Premium™ 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-CO₂ 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 >](#)

[Guide to assess a product's sustainability >](#)



Energy Efficient

Resource performance

 Energy Efficient Product

Eu Rohs Directive	Not compliant
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov