

Product data sheet

Specifications



Symmetra PX 40kW Scalable to 100kW, 208V with Startup

SY40K100F

Overview

Presentation	A modular, high-efficiency 3-phase UPS that is scalable up to 100kW. Suitable for use in small to medium data centers and high density zones.
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	40000 W
Rated Power In Va	40000 VA
Output Connector Type	Hard wire 5-wire (3P + N + E) 1
Battery Type	VRLA
Provided Equipment	Installation guide Network management card Start-up service User manual

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Number Of Battery Filled Slots	4
Number Of Battery Free Slots	5
Battery Recharge Time	2 h
Battery Voltage	+/- 192 V (split battery referenced to neutral)
Discharge Battery Voltage	+/- 154 V
Maximum Short-Circuit Current	30 kA
Max Current Discharge	351 A
Battery Charger Power	6878 W rated
Battery Design Life	5...8 year(s)
Extended Runtime	0

General

Number Of Power Module Free Slots	6
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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

Number Of Power Module Filled Slots	4
Redundant	Yes

Physical

Colour	Black
Height	79.17 in (201.1 cm)
Width	47.24 in (120 cm)
Depth	42.13 in (107 cm)
Net Weight	2554.17 lb(US) (1158.55 kg)
Usb Compatible	No

Input

Network Frequency	40...70 Hz
Input Voltage Limits	177...239 V 208 V
Maximum Input Current	332 A
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	100000 W
Harmonic Distortion	Less than 2 %
Output Frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 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 < 6% for full non-linear load
Bypass Type	Built-in static bypass
Efficiency	94.7 % in battery operation)
Maximum Configurable Power In Va	100000 VA
Transfer Time	2 ms typical

Conformance

Standards	CSA C22.2 No 107.3-05 FCC part 15 class A ISO 14001 ISO 9001 UL 1778
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Environmental

Ambient Air Temperature For Operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 %
Operating Altitude	0...3333 ft

Ambient Air Temperature For Storage	5...104 °F (-15...40 °C)
Storage Relative Humidity	0...95 %
Storage Altitude	0...50000 ft (0.00...15240.00 m)
Acoustic Level	67 dBA
Nema Degree Of Protection	NEMA 1

Communications & Management

Free Slots	2
Preinstalled Device	Network management card with CAN
Control Panel	Multifunction LCD status and control console

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	84.25 in (214 cm)
Package 1 Width	47.64 in (121 cm)
Package 1 Length	66.77 in (169.6 cm)
Package 1 Weight	2811.09 lb(US) (1275.09 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.

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Energy Efficient

Resource performance

 Energy Efficient Product

Eu Rohs Directive

Not compliant