

# 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	40 kW
Rated Power In Va	40 kVA
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	<a href="#">View Runtime Graph</a>
Efficiency	<a href="#">View Efficiency Graph</a>
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)
Battery Power In Vah	13824 VAh runtime

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

Battery Option	SYBT9-B4 2 20736 VAh SYBT9-B4 5 31104 VAh SYCFXR9 1 62208 VAh SYCFXR9 3 124416 VAh SYBT9-B4 1 17280 VAh SYBT9-B4 3 24192 VAh SYBT9-B4 4 27648 VAh SYCFXR9 2 93312 VAh
Extended Runtime	0

## General

Number Of Power Module Free Slots	6
Number Of Power Module Filled Slots	4
Redundant	Yes

## Physical

Colour	Black
Height	201.1 cm
Width	120 cm
Depth	107 cm
Net Weight	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	100 kW
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	100 kVA
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
-----------	--

## 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	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
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays

## Packing Units

Package 1 Weight	1275.09 kg
Package 1 Height	214 cm
Package 1 Width	169.6 cm
Package 1 Length	121 cm

## Contractual warranty

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

## 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- 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 >](#)



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](http://www.P65Warnings.ca.gov)