

# Product data sheet

Specifications



## Symmetra PX 50kW Scalable to 80kW N+1 with Premium XR Battery Enclosure, 208V

SY50K80F

⚠ Discontinued on: Dec 10, 2020

⚠ End-of-service on: Mar 3, 2022

⚠ Discontinued

### Overview

Presentation	A high-efficiency 3-phase UPS that is scaleable as your data center grows up to 80kW/80kVA. 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	208 V 3 phases
Main Output Voltage	120 V 208 V 208 V 3 phases
Rated power in W	50000 W
Rated power in VA	50000 VA
Output connector type	Hard wire 5-wire (3P + N + E) 1
Connections - terminals	1 screw terminals
Battery type	External battery system
Provided equipment	Network management card Start up included User manual

### Batteries & Runtime

Run Time	<a href="#">View Runtime Graph</a>
Efficiency	<a href="#">View Efficiency Graph</a>
Number of battery filled slots	5
Number of battery free slots	3
Battery recharge time	2 h
Battery charger power	6878 W rated
Battery life	3...5 year(s)
Replacement battery	<a href="#">SYBT4</a>
Extended runtime	1

### General

Number of power module free slots	0
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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	0
Redundant	Yes

## Physical

Colour	Black
Height	207 cm
Width	121.9 cm
Depth	90.2 cm
net weight	1129.55 kg
USB compatible	No

## Input

Network frequency	50/60 Hz +/- 5 Hz auto-sensing
Number of input connectors	1 hard wire 5-wire (3P + N + E)
Input voltage limits	177...240 V
Input Power Factor at Full Load	0.99

## Output

Maximum configurable power in W	80000 W
Harmonic distortion	Less than 3 %
Output frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest factor	Unlimited
UPS type	Double conversion online
Wave type	Sine wave
Bypass type	Built-in static bypass
Maximum output current	222 A
Maximum configurable power in VA	80000 VA

## Conformance

Product certifications	cUL listed CSA
Standards	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...10000 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.0000000000...15240.0000000000 m

Acoustic level	71 dBA
heat dissipation	14855 Btu/h
NEMA degree of protection	NEMA 1

## Communications & Management

Free slots	2
Preinstalled device	Network management card
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	149.9 cm
Package 1 Length	105.4 cm
Package 1 Weight	1184.331 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-CO<sub>2</sub> products.

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Energy Efficient

## Resource performance

 Energy Efficient Product

Eu Rohs Directive

Under investigation