

Product data sheet

Specifications



Symmetra PX 40kW Scalable to 100kW, 208V with Startup, No Battery

SY40K100F-NB

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	External battery system
Provided equipment	Installation guide Network management card Start-up service User manual

Batteries & Runtime

Efficiency	View Efficiency Graph
Number of battery filled slots	0
Number of battery free slots	0
Extended runtime	0

General

Number of power module free slots	0
Number of power module filled slots	0
Redundant	Yes

Physical

Height	201.1 cm
Width	60 cm
Depth	107 cm
Net weight	411.9 kg
USB compatible	No

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

Input

Network frequency	40...70 Hz
Input voltage limits	177...239 V 208 V
Maximum input current	332 A
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 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
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	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...15240 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	203.2 cm
Package 1 Width	114.3 cm
Package 1 Length	84.8 cm
Package 1 Weight	466.5 kg

Contractual warranty

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


Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)


[How we assess product sustainability >](#)

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Under investigation

 Energy efficiency	
Optimized Energy Efficiency	Energy efficient product

Use Again

 Repack and remanufacture	
Take-back	No