

Product data sheet

Specifications



Symmetra PX 80kW Scalable to 100kW, 208V with Startup, No Battery

SY80K100F-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 AC 3 phases
Maximum input current	332 A
Input harmonic distortion	Less than 5 % for full load
Load power factor	0.5 leading to 0.5 lagging
Cos phi	0.99
Input voltage limits	177...239 V 208 V
Network frequency	40...70 Hz
Output voltage	208 V AC 3 phases
Rated power in W	80000 W
rated power in VA	80000 VA
Output connector type	Hard wire 5-wire (3P + N + E) for 1 zone(s)
Bypass type	Built-in static bypass
Harmonic distortion	Less than 2 %
Maximum configurable power in VA	100000 VA
Maximum configurable power in W	100000 W 100000 W
Output harmonic distortion	< 2% for 0 to 100% linear load and < 6% for full non-linear load
Output voltage tolerance	+/- 1% static and +/- 5% at 100% load step
Transfer time	2 ms typical
UPS type	Double conversion online
Wave type	Sine wave
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

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

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

Complementary

Battery type	Lead-acid external
Control panel	Multifunction LCD status and control console
Free slots	2
Preinstalled device	Network management card with CAN
UPS connectivity	Pre-installed network management card 3
Colour	Black
Height	201.1 cm
Width	60 cm
Depth	107 cm
Product weight	518 kg
USB compatible	無
Provided equipment	Installation guide Network management card Start-up service User manual
Number of power module filled slots	8
Number of power module free slots	2
Redundant	有

Environment

Standards	CSA C22.2 No 107.3-05 FCC part 15 class A ISO 14001 ISO 9001 UL 1778
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-15...40 °C
Storage altitude	0...15240 m
Relative humidity	0...95 %
Storage Relative Humidity	0...95 %
NEMA degree of protection	NEMA 1
Acoustic level	67 dBA
Operating altitude	0...3333 ft

Batteries & Runtime

battery type	External battery system
Extended runtime	0

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	214 cm
Package 1 Width	121 cm

Package 1 Length	84.8 cm
Package 1 Weight	594.7 kg

Contractual warranty

Warranty (in months)	12
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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
Energy efficiency	
Energy Efficiency Optimized	Energy efficient product

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No

Image of product / Alternate images

Alternative

