Product data sheet

Specifications

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

SY80K80F

⚠ **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 phase
Main Output Voltage	120 V 208 V 208 V 3 phase
Kw Rating	80000 W
Rated Power In Va	80000 VA
Output Connector Type	Hard Wire 5-wire (3PH + N + G) 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	View Runtime Graph ⬈
Efficiency	View Efficiency Graph ⬈
Included Battery Modules	8
Battery Slots Empty	0
Typical Recharge Time	2 h
Battery Charge Power (Watts)	11004 W rated
Battery Life	3…5 year(s)
Replacement Battery	SYBT4 ⬈
Extendable Run Time	1

General

Number Of Power Module Free Slots	0

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Number Of Power Module Filled Slots	0
Redundant	Yes

Physical

Color	Black
Height	81.50 in (207 cm)
Width	47.99 in (121.9 cm)
Depth	35.51 in (90.2 cm)
Net Weight	3262.84 lb(US) (1480 kg)
Usb Compatible	No

Input

Input Frequency	50/60 Hz +/- 5 Hz auto-sensing
Number Of Input Connectors	1 Hard Wire 5-wire (3PH + N + G)
Efficiency At Full Load	177...240 V
Maximum Short Circuit Withstand (Icw)	30 kA
Input Power Factor At Full Load	0.99

Output

Max Configurable Power (Watts)	80000 W
Harmonic Distortion	Less than 3%
Output Frequency (Sync To Mains)	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest Factor	Unlimited
Topology	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	32…104 °F (0…40 °C)
Relative Humidity	0…95 %
Operating Altitude	0...10000 ft
Ambient Air Temperature For Storage	5…104 °F (-15…40 °C)
Storage Relative Humidity	0…95 %

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Storage Altitude	0…50000 ft (0.00…15240.00 m)
Acoustic Level	71 dBA
Heat Dissipation	22744 Btu/h
Nema Degree Of Protection	NEMA 1

Communications & Management

Free Slots	2
Pre-Installed Smartslot™ Cards	Network management card
Emergency Power Off (Epo)	Yes

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	90.98 in (231.1 cm)
Package 1 Width	59.02 in (149.9 cm)
Package 1 Length	41.50 in (105.4 cm)
Package 1 Weight	3382.63 lb(US) (1534.336 kg)

Contractual warranty

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

Sustainability

Green Premium^{TM} 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_2 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 ⟩

Guide to assess a product's sustainability ⟩

Energy Efficient

Resource performance

✓ Energy Efficient Product

Eu Rohs Directive   Under investigation