

Product data sheet

Specifications



Symmetra PX 20kW Scalable to 40kW N+1, 208V

SY20K40F

Overview

Presentation	A high-efficiency 3-phase UPS that is scalable as your data center grows up to 40kW/40kVA. Suitable for small to medium data center application.
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Main

Main input voltage	208 V AC 3 phase
Cos phi	0.99
Efficiency at full load	177...240 V
Input connection	1 Hard Wire 5-wire (3PH + N + G)
Input frequency	50/60 Hz
Output voltage	208 V AC 3 phase
Rated power in W	20000 W
Rated power in VA	20000 VA
Output connection	Hard Wire 5-wire (3PH + N + G) for 1 zone(s)
Bypass type	Built-in Static Bypass
Harmonic distortion	Less than 5%
Maximum configurable power in VA	40000 VA
Maximum configurable power in W	40000 W
Maximum output current	111 A
UPS topology	Double Conversion Online
Waveform type	Sine wave
Output frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Replacement battery	SYBT4

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Battery type	Lead-acid internal
Control panel	Multi-function LCD status and control console
Emergency power off	Yes

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

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

Free slot	2
Preinstalled device	Network management card 2 - Masterpack for Symmetra 3-Phase
UPS connectivity	Pre-installed network management card 3
Number of cables	1
Color	Black
Height	81.5 in (207 cm)
Width	23.6 in (60 cm)
Depth	35.5 in (90.2 cm)
Product weight	1167.46 lb(US) (529.55 kg)
USB compatible	No
Provided equipment	Network Management Card Start up included User Manual
Number of power modules	5
Number of power module filled slots	2
Number of power module free slots	3
Number of preinstalled power modules	2
Redundant	Yes

Environment

Product certification	cUL Listed
Standard	CSA C22.2 No.107.3-05 EN 50091-1 EN 50091-2 FCC Part 15 class A ISO 14001 ISO 9001 UL 1778 UL 60950
Ambient air temperature for operation	32...104 °F (0...40 °C)
Ambient air temperature for storage	5...104 °F (-15...40 °C)
Storage altitude	0...50000 ft (0...15240 m)
Relative humidity	0...95 %
Storage relative humidity	0...95 %
NEMA degree of protection	NEMA 1
Acoustic level	64 dBA
Heat dissipation	5942 Btu/h
Operating altitude	0...10000 ft

Batteries & Runtime

Battery type	Lead-Acid battery
Extendable runtime	1
Included battery module	2
Empty battery slot	2
Typical recharge time	2 h



