

Product data sheet

Specifications



Symmetra PX 100kW Scalable to 100kW, 208V with Startup

SY100K100F

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 3 phase

Main Output Voltage 120 V
208 V
208 V 3 phase

Kw Rating 100000 W

Rated power in VA 100000 VA

Output connector type Hard Wire 5-wire (3PH + N + G) 1

Battery Type VRLA

Provided equipment Installation guide
Network Management Card
Start-Up Service
User Manual

General

Number of power module free slots 0

Number of power module filled slots 10

Redundant Yes

Physical

Color Black

Height 79.17 in (201.1 cm)

Width 47.24 in (120 cm)

Depth 42.13 in (107 cm)

Net Weight 4232.88 lb(US) (1920 kg)

USB compatible No

Input

Input Frequency	40 - 70 Hz
Efficiency at full load	177...239 V 208 V
Maximum Input Current per Phase	332 A
Input Total Harmonic Distortion	Less than 5% for full load
Load power factor	0.5 leading to 0.5 lagging
Input Power Factor at Full Load	0.99

Output

Max Configurable Power (Watts)	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 not synced 50 Hz +/- 0.1 % for 50 Hz nominal not synced
Topology	Double Conversion Online
Waveform Type	Sine wave
Output voltage tolerance	+/-1% static and +/- 5% at 100% load step
Output Voltage THD	< 2% for 0 to 100% linear load and < 6% for full non-linear load
Bypass type	Built-in Static Bypass 94.7 % in battery operation)
Maximum configurable power in VA	100000 VA
Transfer Time	2ms 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	32...104 °F (0...40 °C)
Relative Humidity	0...95 %
Operating altitude	0...3333 ft
Ambient Air Temperature for Storage	5...104 °F (-15...40 °C)
Storage Relative Humidity	0...95 %
Storage altitude	0...50000 ft (0.00...15240.00 m)
Acoustic level	67 dBA
NEMA degree of protection	NEMA 1

Batteries & Runtime

Included Battery Modules	9
Battery Slots Empty	0
Typical recharge time	2 h

Battery Voltage	+/-192 V (split battery referenced to neutral)
End of Discharge Battery Voltage	+/-154 V
Maximum short-circuit current	30 kA
End of Discharge Maximum Battery Current	351 A
Battery Charge Power (Watts)	15475 W rated
Battery design life	5...8 year(s)
Battery power in VAH	31104 VAh runtime
Battery option	SYCFXR9 1 62208 VAh SYCFXR9 2 93312 VAh SYCFXR9 3 124416 VAh
Extendable Run Time	0

Communications & Management

Free slots	2
Pre-Installed SmartSlot™ Cards	Network management card with CAN
Control panel	Multi-function LCD status and control console
Audible Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays

Ordering and shipping details

GTIN	731304282570
Package 1 Weight	4655.77 lb(US) (2111.82 kg)

Packing Units

Package 1 Height	84.25 in (214 cm)
Package 1 Width	66.77 in (169.6 cm)
Package 1 Length	47.64 in (121 cm)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
EU RoHS Directive	Not compliant
Optimized Energy Efficiency	Energy efficient product

Contractual warranty

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