

# Product data sheet

Specifications

## Symmetra PX 10kW Scalable to 100kW, 208V with Startup



SY10K100F

### Overview

<b>Presentation</b>	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.
<b>Lead time</b>	Usually Ships within 3 Weeks

### Main

<b>Main Input Voltage</b>	3 phase
<b>Main Output Voltage</b>	120 V 208 V 208 V 3 phase
<b>Kw Rating</b>	10000 W
<b>Rated power in VA</b>	10000 VA
<b>Output connector type</b>	Hard Wire 5-wire (3PH + N + G) 1
<b>Battery Type</b>	VRLA
<b>Provided equipment</b>	Installation guide Network Management Card Start-Up Service User Manual

### General

<b>Number of power module free slots</b>	9
<b>Number of power module filled slots</b>	1
<b>Redundant</b>	Yes

### Physical

<b>Color</b>	Black
<b>Height</b>	79.17 in (201.1 cm)
<b>Width</b>	47.24 in (120 cm)
<b>Depth</b>	42.13 in (107 cm)
<b>Net Weight</b>	1714.80 lb(US) (777.82 kg)
<b>USB compatible</b>	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 (sync to mains)	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
Efficiency at full load	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
Heat dissipation	3292.6 Btu/h
NEMA degree of protection	NEMA 1

## Batteries & Runtime

Included Battery Modules	1
Battery Slots Empty	8

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)	1719 W rated
Battery design life	5...8 year(s)
Battery power in VAH	3456 VAh runtime
Battery option	SYBT9-B4 3 13824 VAh SYBT9-B4 8 31104 VAh SYCFXR9 1 62208 VAh SYCFXR9 3 124416 VAh SYBT9-B4 1 6912 VAh SYBT9-B4 5 20736 VAh SYBT9-B4 7 27648 VAh SYCFXR9 2 93312 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	731304282587
Package weight(Lbs)	1888.77 lb(US) (856.73 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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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