

# Product data sheet

Specifications



## Symmetra PX 10kW Scalable to 40kW N+1, 208V

SY10K40F

### 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.

**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** 10000 W

**Rated power in VA** 10000 VA

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

**Battery Type** Lead-Acid battery

**Provided equipment** Network Management Card  
Start up included  
User Manual

### General

**Bypass Connection** 5 wire (3PH + N + G)

**Max Bypass Input Current** 162 A

**Bypass Protection Device** 175 A

**Number of power module** 5

**Number preinstalled power module** 1

**Number of power module free slots** 4

**Number of power module filled slots** 1

**Redundant** Yes

### Physical

**Color** Black

**Height** 81.50 in (207 cm)

**Width** 23.62 in (60 cm)

<b>Depth</b>	35.51 in (90.2 cm)
<b>Net Weight</b>	896.89 lb(US) (406.82 kg)
<b>USB compatible</b>	No

## Input

<b>Input Frequency</b>	50/60 Hz
<b>Number of input connectors</b>	1 Hard Wire 5-wire (3PH + N + G)
<b>Efficiency at full load</b>	177...240 V
<b>Maximum Input Current per Phase</b>	162 A
<b>Switching current capacity</b>	175 A
<b>Maximum Short Circuit Withstand (Icw)</b>	30 kA
<b>Input protection type</b>	3-pole breaker
<b>Input Power Factor at Full Load</b>	0.99

## Output

<b>Max Configurable Power (Watts)</b>	40000 W
<b>Harmonic distortion</b>	Less than 5%
<b>Output Frequency (sync to mains)</b>	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced
<b>Topology</b>	Double Conversion Online
<b>Waveform Type</b>	Sine wave
<b>Output voltage tolerance</b>	+/-1% static and +/- 5% at 100% load step
<b>Output Voltage THD</b>	< 2% for 0 to 100% linear load and < 5% for full non-linear load
<b>Overload Operation</b>	60 seconds @ 125% and 30 seconds @ 150%
<b>Required Output Current Protection</b>	150 A
<b>Bypass type</b>	Built-in Static Bypass
<b>Efficiency at full load</b>	94 % in battery operation)
<b>Maximum output current</b>	111 A
<b>Maximum configurable power in VA</b>	40000 VA

## Conformance

<b>Product Certifications</b>	cUL Listed
<b>Standards</b>	CSA C22.2 No.107.3-05 EN 50091-1 EN 50091-2 EN 50091-3 FCC Part 15 class A ISO 14001 ISO 9001 UL 1778 UL 60950

## Environmental

<b>Ambient air temperature for operation</b>	32...104 °F (0...40 °C)
<b>Relative Humidity</b>	0...95 %
<b>Operating altitude</b>	0...10000 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	64 dBA
Heat dissipation	3381 Btu/h
NEMA degree of protection	NEMA 1

## Batteries & Runtime

Included Battery Modules	1
Battery Slots Empty	3
Typical recharge time	2 h
RBC Quantity	1
Battery voltage	+/-192 V (split battery referenced to neutral)
DC Overcurrent Protection	125 A
Overload Operation	60 seconds @ 125% and 30 seconds @ 150%
Battery Charge Power (Watts)	1375 W rated
Battery power in VAh	2764 VAh runtime
Battery option	SYBT4 1 5529 VAh SYBT4 3 11059 VAh SYCFXR8-8 1 33177 VAh SYCFXR8-8 4 99532 VAh SYBT4 2 8294 VAh SYCFXR8-8 2 55296 VAh SYCFXR8-8 3 77414 VAh
Extendable Run Time	1

## Communications & Management

Free slots	2
Pre-Installed SmartSlot™ Cards	Network management card 2 - Masterpack for Symmetra 3-Phase
Control panel	Multi-function LCD status and control console
Audible Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off (EPO)	Yes

## Ordering and shipping details

Package weight(Lbs)	999.09 lb(US) (453.18 kg)
---------------------	---------------------------

## Packing Units

Package 1 Height	90.98 in (231.1 cm)
Package 1 width	29.49 in (74.9 cm)
Package 1 Length	41.50 in (105.4 cm)
Number of Units in Package 3	1

## 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