Product data sheet

Specifications

Symmetra PX70 kW Scalable to 100kW, 208V with Startup, No Battery

SY70K100F-NB

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	208 V 3 phases
Main Output Voltage	120 V 208 V 208 V 3 phases
Rated power in W	70000 W
Rated power in VA	70000 VA
Output connector type	Hard wire 5-wire (3P + N + E) 1
Battery type	External battery system
Provided equipment	Installation guide Network management card Start-up service User manual

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Extended runtime	0

General

Number of power module free slots	3
Number of power module filled slots	7
Redundant	Yes

Physical

Colour	Black
Height	201.1 cm
Width	60 cm
Depth	107 cm
net weight	491.5 kg
USB compatible	No

Input

Network frequency	40...70 Hz
Input voltage limits	177...239 V 208 V
Maximum input current	332 A
Input 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

Maximum configurable power in W	100000 W 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 unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
UPS type	Double conversion online
Wave type	Sine wave
Output voltage tolerance	+/- 1% static and +/- 5% at 100% load step
Output harmonic distortion	< 2% for 0 to 100% linear load and < 6% for full non-linear load
Bypass type	Built-in static bypass
Maximum configurable power in VA	100000 VA
Transfer time	2 ms typical

Conformance

Standards	CSA C22.2 No 107.3-05 FCC part 15 class A ISO 14001 ISO 9001 UL 1778

Environmental

Ambient air temperature for operation	0…40 °C
Relative humidity	0…95 %
Operating altitude	0...3333 ft
Ambient air temperature for storage	-15…40 °C
Storage Relative Humidity	0…95 %
Storage altitude	0.0000000000…15240.0000000000 m
Acoustic level	67 dBA
NEMA degree of protection	NEMA 1

Communications & Management

Free slots	2
Preinstalled device	Network management card with CAN
control panel	Multifunction LCD status and control console

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	214 cm
Package 1 Width	121 cm
Package 1 Length	84.8 cm
Package 1 Weight	562.6 kg

Contractual warranty

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

Sustainability

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Guide to assess a product's sustainability 〉

Energy Efficient

Resource performance

✓ Energy Efficient Product

Eu Rohs Directive   Will be compliant – Date to be confirmed