

Product data sheet

Specifications

Symmetra PX Power Module, 10/16kW, 400V



SYPM10K16H

Overview

Presentation A 16kW high efficiency power module for the Symmetra PX160kW & PX48kW. This power module is backward compatible with the SYPM10KH module and will autotetect to deliver only 10kW of power protection if installed in a PX80kW, 40KW or 20kW all-in-one.

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage 400 V 3 phase

Main Output Voltage 230 V
400 V 3 phase

Kw Rating 16000 W

Rated power in VA 16000 VA

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

Provided Equipment Installation guide

Batteries & Runtime

Included Battery Modules 0

Battery Slots Empty 0

Additional information Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage

Physical

Height 5.20 in (13.2 cm)

Width 19.02 in (48.3 cm)

Depth 27.56 in (70 cm)

Net Weight 62.83 lb(US) (28.5 kg)

Mounting Location Front

USB compatible No

Input

Input Frequency 40 - 70 Hz

Number of input connectors 1 Hard Wire 5-wire (3PH + N + G)

Efficiency at full load 340...477 V

Maximum Input Current per Phase	33 A
Maximum Short Circuit Withstand (Icw)	30 kA
Input Total Harmonic Distortion	Less than 5% for full load
Input Power Factor at Full Load	0.99

Output

Max Configurable Power (Watts)	16000 W
Harmonic distortion	Less than 2%
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced
Crest factor	Unlimited
Topology	Double Conversion Online
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
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%

Conformance

Product Certifications	CE
Standards	EN 50091-1 EN 50091-3 FCC Part 15 class A VFI-SS-111

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...15000 ft (0.00...4572.00 m)
Acoustic level	63 dBA
Heat dissipation	2573 Btu/h
NEMA degree of protection	NEMA 1

Ordering and shipping details

GTIN	731304252153
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.86 in (22.5 cm)
Package 1 Width	27.56 in (70 cm)
Package 1 Length	23.43 in (59.5 cm)
Package 1 Weight	69.56 lb(US) (31.55 kg)

Number of Units in Package 3 8

Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes

Contractual warranty

Warranty	1 year repair or replace
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Recommended replacement(s)