

Product datasheet

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 autodetect 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 phases

Main Output Voltage 230 V
400 V 3 phases

Rated power in W 16000 W

Rated power in VA 16000 VA

Output connector type Hard wire 5-wire (3P + N + E) 1

Provided equipment Installation guide

Batteries & Runtime

Number of battery filled slots 0

Number of battery free slots 0

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

Physical

Height 13.2 cm

Width 48.3 cm

Depth 70 cm

Product weight 28.5 kg

Mounting location Front

USB compatible No

Input

Network frequency 40...70 Hz

Number of input connectors 1 hard wire 5-wire (3P + N + E)

Input voltage limits 340...477 V

Maximum input current 33 A

Max short time withstand current	30 kA
Input harmonic distortion	Less than 5 % for full load
Input Power Factor at Full Load	0.99

Output

Maximum configurable power in W	16000 W
Harmonic distortion	Less than 2 %
Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Crest factor	Unlimited
UPS type	Double conversion online
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
Output overload operation	10 minutes at 125% and 60 seconds at 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	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	0.00...4572.00 m
Acoustic level	63 dBA
Heat dissipation	2573 Btu/h
NEMA degree of protection	NEMA 1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	22.5 cm
Package 1 Width	70 cm
Package 1 Length	59.5 cm
Package 1 Weight	31.55 kg
Number of Units in Package 3	8

Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
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China RoHS Regulation [China RoHS declaration](#)

RoHS exemption information [Yes](#)

Contractual warranty

Warranty 1 year repair or replace

Recommended replacement(s)