

Product data sheet

Specifications



Symmetra MW 1600kW Frame, 400V

SYMF1600KH

⚠ Discontinued on: Feb 12, 2021

⚠ To be end-of-service on: Jun 3, 2032

⚠ Discontinued - Service only

Overview

Lead Time Special Order - Call for Quoted Lead Times

Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated Power In W	1600000 W
Rated Power In Va	1600000 VA
Output Connector Type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + E) 1 Hard wire 4-wire (3P + N) 1 Hard wire 4-wire (3P + PEN) 1
Number Of Cables	1
Battery Type	External battery system
Provided Equipment	Assembly service Installation guide Start-up service User manual

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
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
Battery Power In Vah	0 VAh runtime
Battery Option	SLR480KH6-FB 3 245604 VAh SLR480KH6-FB 4 327472 VAh SLC480KH6-FB 3 245604 VAh SLC480KH6-FB 4 327472 VAh SLR480KH6-PB 3 254592 VAh SLR480KH6-PB 4 339456 VAh SLC480KH6-PB 3 254592 VAh SLC480KH6-PB 4 339456 VAh
Extended Runtime	1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

General

Number Of Power Module Free Slots	8
Number Of Power Module Filled Slots	0
Redundant	Yes

Physical

Colour	Light grey (NCS 2703-G84Y)
Height	203.2 cm
Width	548.6 cm
Depth	106.7 cm
Net Weight	6376.36 kg
Mounting Location	Front
Mounting Preference	No preference
Mounting Mode	Not rack-mountable
Two Post Mountable	0
Usb Compatible	No

Input

Network Frequency	50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 %
Number Of Input Connectors	1 hard wire 4-wire (3P + E) 1 hard wire 4-wire (3P + PEN) 1 hard wire 5-wire (3P + N + E)
Input Voltage Limits	323...437 V adjustable 380 V 340...460 V adjustable 400 V 357...477 V adjustable 415 V 323...437 V 380 V 340...460 V 400 V 353...477 V 415 V
Input Power Factor At Full Load	0.99

Output

Maximum Configurable Power In W	1600000 W
Harmonic Distortion	Less than 5 % at full load
Output Frequency	50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 % +/- 0.1 % for 50 Hz nominal 50 Hz +/- 0.1 % for 50 Hz nominal
Crest Factor	Unlimited
Ups Type	Delta conversion on-line
Wave Type	Sine wave
Bypass Type	External static bypass
Maximum Output Current	2940 A
Maximum Configurable Power In Va	1600000 VA

Conformance

Product Certifications	CE
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Standards	EN 50091-1 EN 50091-2 EN 50091-3 EN 60950 EN/IEC 62040-3 FCC part 15 class A IEC 60950 ISO 14001 ISO 9001 VFI-SS-111
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Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...3333 ft
Ambient Air Temperature For Storage	-50...40 °C
Storage Relative Humidity	0...95 %
Storage Altitude	0.00...15240.00 m
Acoustic Level	75 dBA
Heat Dissipation	168960 Btu/h
Ip Degree Of Protection	IP20

Communications & Management

Control Panel	Touch screen LCD user interface
Alarm	Audible and visible alarms prioritized by severity
Emergency Power Off	Yes

Packing Units

Package 1 Weight	6576.36 kg
Package 1 Height	223.5 cm
Package 1 Width	624 cm
Package 1 Length	128 cm
Number Of Units In Package 3	1

Contractual warranty

Warranty	1 year repair or replace
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. **Green Premium** promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low- products. **Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Energy Efficient Take-back

Resource performance

✓ Energy Efficient Product

✓ Take-Back Program Available

Well-being performance

✓ Reach Free Of Svhc

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)