

Product data sheet

Specifications



Symmetra MW 400kW Frame, 400V

SYMF400KH

⚠ Discontinued on: Feb 12, 2021

⚠ End-of-service on: Oct 18, 2023

⚠ Discontinued

Overview

Lead timeSpecial 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	400000 W
Rated power in VA	400000 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 Start-up service User manual Installation guide

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
Extended runtime	1

General

Number of power module free slots	2
Number of power module filled slots	0

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

Redundant	Yes
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Physical

Colour	Light grey (NCS 2703-G84Y)
Height	203.2 cm
Width	211.4 cm
Depth	106.7 cm
net weight	2122.27 kg
mounting location	Front
Mounting preference	No preference
mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	Yes

Input

Network frequency	50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 %
Number of input connectors	1 hard wire 4-wire (3P + N) 1 hard wire 4-wire (3P + PEN) 1 hard wire 5-wire (3P + N + E)
Input voltage limits	323...437 V adjustable 380 V 357...477 V adjustable 415 V 340...460 V 400 V
Input Power Factor at Full Load	0.99

Output

Maximum configurable power in W	400000 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	Built-in static bypass Optional external bypass
Maximum configurable power in VA	400000 VA

Conformance

Product certifications	CE
Standards	EN 50091-1 EN 50091-2 EN/IEC 62040-3 FCC part 15 class A IEC 60950 ISO 14001 ISO 9001

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	0.0000000000...15240.0000000000 m
Acoustic level	74 dBA
heat dissipation	42250 Btu/h
IP degree of protection	IP20 IP21 optional

Communications & Management

control panel	Touch screen LCD user interface
Emergency power off	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	223.5 cm
Package 1 Width	248.9 cm
Package 1 Length	128 cm
Package 1 Weight	2267.506 kg

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-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Energy Efficient Take-back

Resource performance

 Energy Efficient Product

 Take-Back Program Available

Well-being performance

 Recycled Content Of Svhc

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)