

Product data sheet

Specifications



APC Symmetra RM 6kVA Scalable to 6kVA N+1 208/240V

SYH6K6RMT

Overview

Lead Time	Usually in Stock
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Main

Main Input Voltage	208 V
Main Output Voltage	208 V
Rated Power In W	4200 W
Rated Power In Va	6000 VA
Input Connection Type	NEMA L6-30P 30 A
Nb Of Power Socket Outlets	2 NEMA L6-20R 1 NEMA L6-30R
Number Of Rack Unit	8U
Cable Length	3.05 m
Number Of Cables	1
Battery Type	Lead-acid battery
Provided Equipment	User manual Rack mounting brackets Rack mounting support rails CD with software

Batteries & Runtime

Run Time	View Runtime Graph
Number Of Battery Filled Slots	3
Number Of Battery Free Slots	0
Battery Recharge Time	4 h
Additional Information	Configurable for 208 or 240 nominal output voltage
Battery Charger Power	458 W rated
Battery Power In Vah	1836 VAh runtime
Battery Life	3...5 year(s)
Battery Option	SYRMXR2B4 1 3000 VAh SYRMXR4B4 1 4200 VAh SYRMXR4B4 2 6600 VAh SYRMXR4B4 3 9000 VAh SYRMXR4B4 4 11400 VAh SYRMXR4B4 5 13800 VAh SYRMXR4B4 6 16200 VAh SYRMXR4B4 7 18600 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

Product Web Sub-Family	2kVA power increments
Number Of Power Module	4
Number Preinstalled Power Module	3
Number Of Power Module Free Slots	1
Number Of Power Module Filled Slots	3
Redundant	Yes

Physical

Colour	Black
Height	35.6 cm
Width	48.3 cm
Depth	73 cm
Net Weight	133.64 kg
Mounting Location	Front
Mounting Preference	Lower
Mounting Mode	Rack-mounted
Two Post Mountable	0
Usb Compatible	No

Input

Network Frequency	50/60 Hz +/- 5 Hz auto-sensing
Number Of Input Connectors	1 hard wire 3-wire (2P + E)
Input Voltage Limits	155...276 V
Input Power Factor At Full Load	0.98

Output

Maximum Configurable Power In W	4200 W
Harmonic Distortion	Less than 5 % at full load
Output Frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz unsynchronised
Crest Factor	Up to 5 : 1
Ups Type	Double conversion online
Wave Type	Sine wave
Bypass Type	Internal bypass (automatic and manual)
Efficiency	89 % (full load)
Maximum Configurable Power In Va	6000 VA

Conformance

Product Certifications	CSA
Standards	FCC part 15 class A UL 1778

Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 %
Operating Altitude	0...10000 ft
Ambient Air Temperature For Storage	-15...45 °C
Storage Relative Humidity	0...95 %
Storage Altitude	0.00...15240.00 m
Acoustic Level	60 dBA
Heat Dissipation	1771 Btu/h

Communications & Management

Free Slots	1
Preinstalled Device	Network management card 2 with environmental monitoring
Control Panel	Multifunction LCD status and control console
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off	Yes

Packing Units

Package 1 Height	50.8 cm
Package 1 Width	58.4 cm
Package 1 Length	78.7 cm
Package 1 Weight	148.64 kg

Contractual warranty

Warranty	2 years repair or replace, optional on-site warranties available, optional extended warranties available
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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.

[Learn more about Green Premium >](#)



Energy Efficient Take-back

Resource performance

✓ Energy Efficient Product

✓ Take-Back Program Available

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant
[EU RoHS Declaration](#)

California Proposition 65 WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov