

Product data sheet

Specifications



APC Symmetra RM 6kVA Scalable to 6kVA N+1 208/240V w/208 to 120V Step-Down Transformer

SYH6K6RMT-P1

Overview

Lead time Usually in Stock

Main

Main Input Voltage	208 V
Main Output Voltage	120 V 208 V
Kw Rating	4200 W
Rated power in VA	6000 VA
Input Connection Type	NEMA L6-30P 30 A
Output connection type	12 NEMA 5-20R 2 NEMA L6-20R
Number of rack unit	10U
Cable length	10 ft (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

Included Battery Modules	3
Battery Slots Empty	0
Typical recharge time	3 h
Additional information	Configurable for 208 or 240 nominal output voltage
Battery Charge Power (Watts)	610 W rated
Battery power in VAh	1836 VAh runtime
Battery Life	3...5 year(s)
Replacement battery	SYBT2
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

Extendable Run Time	1
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General

Product web sub-family	2kVA power increments
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Number of power module	4
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Number preinstalled power module	3
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Number of power module free slots	0
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Number of power module filled slots	0
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Redundant	Yes
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Physical

Color	Black
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Height	17.52 in (44.5 cm)
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Width	19.02 in (48.3 cm)
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Depth	28.74 in (73 cm)
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Net Weight	389.82 lb(US) (176.82 kg)
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Mounting Location	Front
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Mounting preference	Lower
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Mounting Mode	Rack-mounted
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Two post mountable	0
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USB compatible	No
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Input

Input Frequency	60 Hz +/- 3 Hz
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Number of input connectors	1 Hard Wire 3-wire (2PH + G)
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Efficiency at full load	155...276 V
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Input Power Factor at Full Load	0.98
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Output

Max Configurable Power (Watts)	4200 W
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Harmonic distortion	Less than 5 % at full load
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Output Frequency (sync to mains)	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced
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Crest factor	Up to 5 : 1
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Topology	Double Conversion Online
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Waveform Type	Sine wave
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Bypass type	Internal Bypass (Automatic and Manual) 85 % full load)
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Maximum configurable power in VA	6000 VA
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Conformance

Product Certifications	CSA
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Standards	FCC Part 15 class A UL 1778
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Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 %
Operating altitude	0...10000 ft
Ambient Air Temperature for Storage	5...113 °F (-15...45 °C)
Storage Relative Humidity	0...95 %
Storage altitude	0...50000 ft (0.00...15240.00 m)
Acoustic level	60 dBA
Heat dissipation	2529 Btu/h

Communications & Management

Free slots	1
Pre-Installed SmartSlot™ Cards	Network management card 2 with environmental monitoring
Control panel	Multi-function LCD status and control console
Emergency Power Off (EPO)	Yes

Ordering and shipping details

GTIN	731304740285
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	20.00 in (50.8 cm)
Package 1 Width	30.98 in (78.7 cm)
Package 1 Length	22.99 in (58.4 cm)
Package 1 Weight	437.93 lb(US) (198.64 kg)

Offer Sustainability

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
EU RoHS Directive	Compliant EU RoHS Declaration

Contractual warranty

Warranty	2 years repair or replace, optional on-site warranties available, optional extended warranties available
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Recommended replacement(s)