

# SYH6K6RMT-P1

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



## Overview

Lead time	Usually in Stock
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## General

Provided equipment	User manual Rack Mounting brackets Rack mounting support rails CD with software
Product web sub-family	2kVA power increments
Performance multiplier	1
Number of power module	4
Number preinstalled power module	3
Number of tare power	255 W
Number of power module free slots	0
Number of power module filled slots	0
Redundant	Yes
Size UPS version	Internetworking Server Telecom
UPS size	L
Value multiplier	1

## Physical

Cable length	10 ft (3.05 m)
Number of rack unit	10U
Color	Black
Depth	28.74 in (73 cm)
Height	17.52 in (44.5 cm)
Mounting location	Front
Mounting preference	Lower
Net weight	389.82 lb(US) (176.82 kg)
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No
Width	19.02 in (48.3 cm)

## Input

Input Frequency	60 Hz +/- 3 Hz
Number of input connectors	1 Hard Wire 3-wire (2PH + G)
Plug standard	NEMA L6-30P 30 A
Efficiency at full load	155...276 V
Number of cables	1
Nominal Input Voltage	208 V
Cos phi	0.98

## Output

Kw Rating	4200 W
Max Configurable Power (Watts)	4200 W
Harmonic distortion	Less than 5 % at full load
Output frequency	57...63 Hz for 60 Hz nominal sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest factor	Up to 5 : 1
Topology	Double Conversion Online
Waveform Type	Sine wave
Nb of power socket outlets	12 NEMA 5-20R 2 NEMA L6-20R
Bypass type	Internal Bypass (Automatic and Manual)
Curve equation	Efficiency
Curve load maximum	100 %
Curve X-axis maximum	100 %
Curve X-axis minimum	0 %
Curve X-axis title	Load
Curve X-axis units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %
Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Efficiency at full load	85 % (full load)
Graph display	1
Output voltage	120 V 208 V
Maximum configurable power in VA	6000 VA
Rated power in VA	6000 VA

## Conformance

Product certifications	CSA
Standards	FCC Part 15 class A UL 1778

## 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 altitude	0...50000 ft (0.00...15240.00 m)
Acoustic level	60 dBA
Heat dissipation	2529 Btu/h
Show note OP temperature	No

## Batteries & Runtime

Battery type	Lead-Acid battery
Included Battery Modules	3
Battery Slots Empty	0
Typical recharge time	3 h
Additional information	Configurable for 208 or 240 nominal output voltage
Liquid Electrolyte Value	0
Battery curve	C
Battery Charge Power (Watts)	610 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
Extendable Run Time	1

## Communications & Management

Free slots	1
Pre-Installed SmartSlot&trade; Cards	Network management card 2 with environmental monitoring
Control panel	Multi-function LCD status and control console
Audible Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
Emergency Power Off (EPO)	Yes

## Ordering and shipping details

Package weight(Lbs)	437.93 lb(US) (198.64 kg)
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## Packing Units

Package 1 Height	20.00 in (50.8 cm)
Package 1 width	22.99 in (58.4 cm)
Package 1 Length	30.98 in (78.7 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>

## Contractual warranty

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