

# Product datasheet

Specifications

**APC**

Green  
Premium™



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

SYH6K6RMT

### Overview

Lead time Usually in Stock

### 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
Output connection type	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

### 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

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

<b>Width</b>	48.3 cm
<b>Depth</b>	73 cm
<b>Net weight</b>	133.64 kg
<b>Mounting location</b>	Front
<b>Mounting preference</b>	Lower
<b>Mounting mode</b>	Rack-mounted
<b>Two post mountable</b>	0
<b>USB compatible</b>	No

## Input

<b>Network frequency</b>	50/60 Hz +/- 5 Hz auto-sensing
<b>Number of input connectors</b>	1 hard wire 3-wire (2P + E)
<b>Input voltage limits</b>	155...276 V
<b>Input Power Factor at Full Load</b>	0.98

## Output

<b>Maximum configurable power in W</b>	4200 W
<b>Harmonic distortion</b>	Less than 5 % at full load
<b>Output frequency</b>	57...63 Hz for 60 Hz nominal sync to mains 60 Hz unsynchronised
<b>Crest factor</b>	Up to 5 : 1
<b>UPS type</b>	Double conversion online
<b>Wave type</b>	Sine wave
<b>Bypass type</b>	Internal bypass (automatic and manual)
<b>Efficiency</b>	89 % (full load)
<b>Maximum configurable power in VA</b>	6000 VA


## Conformance

<b>Product certifications</b>	CSA
<b>Standards</b>	FCC part 15 class A UL 1778

## Environmental

<b>Ambient air temperature for operation</b>	0...40 °C
<b>Relative humidity</b>	0...95 %
<b>Operating altitude</b>	0...10000 ft
<b>Ambient air temperature for storage</b>	-15...45 °C
<b>Storage Relative Humidity</b>	0...95 %
<b>Storage altitude</b>	0.00...15240.00 m
<b>Acoustic level</b>	60 dBA
<b>Heat dissipation</b>	1771 Btu/h

## Batteries & Runtime

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)
Replacement battery	<a href="#">SYBT2</a> 
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

## Communications & Management

Free slots	1
Preinstalled device	Network management card 2 with environmental monitoring
Control panel	Multifunction LCD status and control console
Emergency power off	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	50.8 cm
Package 1 Width	78.7 cm
Package 1 Length	58.4 cm
Package 1 Weight	148.64 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

## Contractual warranty

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