

# 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
-----------	------------------

## 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
Nb of power socket outlets	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

## General

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

## Physical

Color	Black
Height	17.52 in (44.5 cm)
Width	19.02 in (48.3 cm)
Depth	28.74 in (73 cm)
Net Weight	389.82 lb(US) (176.82 kg)
Mounting Location	Front

Mounting preference	Lower
Mounting Mode	Rack-mounted
Two post mountable	0
USB compatible	No

## Input

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

## Output

Max Configurable Power (Watts)	4200 W
Harmonic distortion	Less than 5 % at full load
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
Crest factor	Up to 5 : 1
Topology	Double Conversion Online
Waveform Type	Sine wave
Bypass type	Internal Bypass (Automatic and Manual)
Efficiency at full load	85 % 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	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

## 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)
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)
---------------------	---------------------------

## 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
----------	--

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[SYH6K6RMT-P1](#)