

Product data sheet

Specifications



APC Symmetra RM 6kVA Scalable to 6kVA N+1 208/240V w/ 208 to 120V Step-Down Transformer (4) L5-20R

SYH6K6RMT-TF3

① To be discontinued

① Discontinued on: Apr 30, 2025

① To be end-of-service on: Mar 30, 2035

Overview

Lead time Usually in Stock

Main

Main Input Voltage	208 V AC 1 phase
Product or component type	Uninterruptible power supply (UPS)
Main Output Voltage	120 V AC 1 phase 208 V AC 1 phase
Rated power in W	4200 W
Rated power in VA	6000 VA
Input Connection Type	NEMA L6-30P 30 A
Output connection type	4 NEMA L5-20R 2 NEMA L6-20R
Number of rack unit	10U
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
Range of product	Symmetra

Complementary

Battery type	Lead-acid internal included
UPS connectivity	Serial port Pre-installed network management card 3
Mounting mode	Rack-mounted with included kit

Batteries & Runtime

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph
Number of battery filled slots	3

Number of battery free slots	0
Battery recharge time	3 h
Additional information	Configurable for 208 or 240 nominal output voltage
Battery charger power	610 W rated
Battery life	3...5 year(s)
Extended runtime	1

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

Colour	Black
Height	445 mm
Width	483 mm
Depth	730 mm
Net weight	176.82 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

Network frequency	60 Hz +/- 3 Hz
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 +/- 0.1 % for 60 Hz nominal unsynchronised
Crest factor	Up to 5 : 1
UPS type	Double conversion online
Wave type	Sine wave
Bypass type	Internal bypass (automatic and manual)

Efficiency	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	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...15240 m
Acoustic level	60 dBA
Heat dissipation	2529 Btu/h

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	198.64 kg

Contractual warranty

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

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint **18680**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Compliant with Exemptions**

[REACH Regulation](#) [REACH 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](#)**

Use Again

Repack and remanufacture

Removable battery **User replaceable**

Take-back **No**