Product datasheet

Specifications



APC Symmetra RM 6kVA Scalable to 6kVA N+1 220-240V

SYH6K6RMI

Overview

Presentation	This parts kit contains spare parts for the APC product model shown.

Main

Main input voltage	220 V AC 1 phase 230 V AC 1 phase 240 V AC 1 phase
Cos phi	0.98
Efficiency at full load	155...276 V
Input connection	1 hard wire 3-wire
Input frequency	50/60 Hz +/- 5 Hz auto-sensing
Output voltage	220 V AC 1 phase 230 V AC 1 phase 240 V AC 1 phase
Rated power in W	4200 W
Rated power in VA	6000 VA
Output connection	8 IEC 60320 C13 2 IEC 60320 C19
Bypass type	Internal bypass (automatic and manual)
Crest factor	Up to 5 : 1
Harmonic distortion	Less than 5 % at full load
Maximum configurable power in VA	6000 VA
Maximum configurable power in W	4200 W
UPS topology	On-Line
Waveform type	Sine wave
Efficiency	89 % (full load)
Output frequency	47...53 Hz for 50 Hz nominal sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Battery type	Lead-acid battery
Additional information	Configurable for 220 : 230 or 240 nominal output voltage

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Extendable runtime	1
Included battery module	3
Empty battery slot	0
Typical recharge time	4 h
Battery life	3…5 year(s)
Battery charging power	458 W rated
Battery type	Lead-acid internal included
Control panel	Multifunction LCD status and control console
Emergency power off	Yes
Free slot	1
Preinstalled device	Network management card 2 with environmental monitoring
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
UPS connectivity	Serial port Pre-installed network management card 3
Number of rack unit	8U
Number of cables	1
Color	Black
Height	356 mm
Width	483 mm
Depth	730 mm
Product weight	133.64 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No
Mounting mode	Rack-mounted with included kit
Provided equipment	User manual Rack mounting brackets Rack mounting support rails CD with software
Number of power modules	4
Number of power module filled slots	0
Number of power module free slots	0
Number of preinstalled power modules	3
Additional specification	2kVA power increments
Redundant	Yes
Range of product	Symmetra
Product or component type	Uninterruptible power supply (UPS)
Performance multiplier	1
Value multiplier	1

Size UPS version	Internetworking Server Telecom
Curve equation	Efficiency
Curve fixed loss	0.0532
Curve load maximum	100 %
Curve load minimum	6 %
Curve proportional loss	0.0210
Curve square loss	0.0237
Curve test cond ID	Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and balanced resistive load (PF = 1.0) output.
Curve x-axis maximum	100 %
Curve x-axis minimum	0 %
Curve x-axis title	Load
Curve x-axis unit	Percentage
Curve y-axis maximum	100 %
Curve y-axis minimum	50 %
Curve y-axis title	Efficiency
Curve y-axis unit	Percentage
Graph display	1
Operating temperature note	No
UPS size	L

Environment

Product certification	C-Tick CE IRAM VDE
Standard	EN 50091-2 EN 60950
Ambient air temperature for operation	0…40 °C
Ambient air temperature for storage	-15…45 °C
Storage altitude	0…15240 m
Relative humidity	0…95 %
Storage relative humidity	0…95 %
Acoustic level	60 dBA
Heat dissipation	1771 Btu/h
Operating altitude	0...10000 ft

General

Tare power	225 W

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

Contractual warranty

Warranty (in months)	24

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	**24 262 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 990 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**19 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**19 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**22 184 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**50 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**2d54512b-134b-4bf3-ab6e-849ecf1e3919**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Removable battery	**User replaceable**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Image of product / Alternate images

Alternative

