# Product datasheet

Specifications



## APC Symmetra RM 4kVA Scalable to 6kVA N+1 220-240V

SYH4K6RMI

## Overview

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

## Main

| | |
|---|---|
| **Main input voltage** | 230 V AC 1 phase<br>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** | 230 V AC 1 phase<br>240 V AC 1 phase |
| **Rated power in W** | 2800 W |
| **Rated power in VA** | 4000 VA |
| **Output connection** | 8 IEC 60320 C13<br>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<br>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised |

## Graphs

| | |
|---|---|
| **Run Time** | View Runtime Graph |

## Complementary

| | |
|---|---|
| **Battery type** | Lead-acid battery |
| **Additional information** | UPS accepts 1-2 additional battery packs<br>Configurable for 220 : 230 or 240 nominal output voltage |
| **Extendable runtime** | 1 |

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

| | |
|---|---|
| **Included battery module** | 2 |
| **Empty battery slot** | 2 |
| **Typical recharge time** | 4 h |
| **Battery life** | 3…5 year(s) |
| **Battery charging power** | 305 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 |
| **UPS connectivity** | Serial port<br>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** | 104.09 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<br>Rack mounting brackets<br>Rack mounting support rails<br>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** | 2 |
| **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<br>Server<br>Telecom |
| **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 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<br>CE<br>IRAM<br>VDE |
| **Standard** | EN 50091-2<br>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** | 1181 Btu/h |
| **Operating altitude** | 0...10000 ft |

## General

| | |
|---|---|
| **Tare power** | 155 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** | 58.4 cm |
| **Package 1 Length** | 78.7 cm |
| **Package 1 Weight** | 116.116 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 >

### Use Better

#### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| 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**

