

# Product datasheet

Specifications



## APC Symmetra LX 12kVA Scalable to 16kVA N+1 Rack-mount, 220/230/240V or 380/400/415V

SYA12K16RMI

EAN Code : 3606485318752

### Overview

**Presentation** High performance, redundant power protection with scalable power and runtime for space-constrained server rooms, and voice and data networks.

**Lead time**

### Main

<b>Main Input Voltage</b>	230 V 400 V 3 phases
<b>Other Input Voltage</b>	220 V 240 V 380 V 415 V
<b>Main Output Voltage</b>	230 V
<b>Other Output Voltage</b>	220 V 240 V
<b>Rated power in W</b>	8400 W
<b>Rated power in VA</b>	12000 VA
<b>Output connection type</b>	8 IEC 60320 C13 10 IEC 60320 C19
<b>Output connector type</b>	Hard wire 3-wire (H N + E) 1
<b>Number of rack unit</b>	19U
<b>Battery type</b>	Lead-acid battery
<b>Provided equipment</b>	CD with software Documentation CD Installation guide User manual Web/SNMP management card

### General

<b>Product web sub-family</b>	4kVA power increments
<b>Number of power module free slots</b>	2
<b>Number of power module filled slots</b>	3
<b>Redundant</b>	Yes

### Physical

<b>Colour</b>	Black
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	Silver
<b>Height</b>	83.8 cm
<b>Width</b>	47.2 cm
<b>Depth</b>	68.8 cm
<b>Net weight</b>	242.74 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>	45...65 Hz auto-sensing
<b>Number of input connectors</b>	1 hard wire 3-wire (1P + N + E) 1 hard wire 5-wire (3P + N + E)
<b>Input voltage limits</b>	155...276 V 290...480 V 3:1
<b>Input harmonic distortion</b>	Less than 7 % for full load
<b>Input Power Factor at Full Load</b>	0.98

## Output

<b>Maximum configurable power in W</b>	11200 W
<b>Harmonic distortion</b>	Less than 5 % at full load
<b>Output frequency</b>	47...63 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal 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>	90 % (full load)
<b>Maximum output current</b>	55 A
<b>Maximum configurable power in VA</b>	16000 VA

## Conformance

<b>Product certifications</b>	C-Tick CE GOST VDE
<b>Standards</b>	EN 50091-1 EN 50091-2 EN 55022 class A EN 55024 EN 60950 IEC 60950

## Environmental

<b>Ambient air temperature for operation</b>	0...40 °C
<b>Relative humidity</b>	0...95 %

Operating altitude	0...10000 ft
Ambient air temperature for storage	-15...45 °C
Storage Relative Humidity	0...95 %
Storage altitude	0.00...4572.00 m
Acoustic level	62 dBA
Heat dissipation	3707 Btu/h

## Batteries & Runtime

Number of battery filled slots	3
Number of battery free slots	1
Battery recharge time	3 h
Additional information	Configurable for 220 : 230 or 240 nominal output voltage
Battery charger power	861 W rated
Battery power in VAh	2592 VAh runtime
Battery life	3...5 year(s)
Battery option	SYBT5 1 3456 VAh SYARMXR3B3I 1 5184 VAh SYARMXR3B3I 2 7776 VAh SYARMXR9B9I 1 10368 VAh SYARMXR9B9I 2 18144 VAh SYARMXR9B9I 3 25920 VAh SYARMXR9B9I 4 33696 VAh SYARMXR9B9I 5 41472 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
Alarm	Audible and visible alarms : prioritized by severity
Emergency power off	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	105.4 cm
Package 1 Width	59.9 cm
Package 1 Length	99.7 cm
Package 1 Weight	290 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>

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<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>Optimized Energy Efficiency</b>	Energy efficient product
<b>Take-back</b>	Take-back program available

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### **Contractual warranty**

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<b>Warranty</b>	2 years repair or replace
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### **Recommended replacement(s)**