

# Product datasheet

Specifications



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

SYA12K16RMI

**Price: 246,012.81 ZAR**

### Overview

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

**Lead time** Usually in Stock

### Main

**Main Input Voltage** 220 V AC 1 phase  
400 V AC 3 phases  
230 V AC 1 phase  
240 V AC 1 phase  
380 V AC 3 phases  
415 V AC 3 phases

**Input voltage** 220 V  
240 V  
380 V  
415 V

**Input harmonic distortion** Less than 7 % for full load

**Cos phi** 0.98

**Input voltage limits** 155...276 V  
290...480 V 3:1

**Number of input connectors** 1 hard wire 3-wire (1P + N + E)  
1 hard wire 5-wire (3P + N + E)

**Network frequency** 45...65 Hz auto-sensing

**Output voltage** 220 V AC 1 phase  
230 V AC 1 phase  
240 V AC 1 phase

**Output voltage** 220 V  
240 V

**Rated power in W** 8400 W

**rated power in VA** 12000 VA

**Output connection type** 8 IEC 60320 C13  
10 IEC 60320 C19

**Output connector type** Hard wire 3-wire (H N + E) for 1 zone(s)

**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** 16000 VA

**Maximum configurable power in W** 11200 W

**Maximum output current** 55 A

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>UPS type</b>	Double conversion online
<b>Wave type</b>	Sine wave
<b>Efficiency</b>	90 % (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

## Complementary

<b>Battery type</b>	Lead-acid battery
<b>Additional information</b>	Configurable for 220 : 230 or 240 nominal output voltage
<b>Extended runtime</b>	1
<b>Number of battery filled slots</b>	3
<b>Number of battery free slots</b>	1
<b>Battery recharge time</b>	3 h
<b>Battery life</b>	3...5 year(s)
<b>Battery charger power</b>	861 W rated
<b>Battery type</b>	Lead-acid internal included
<b>Control panel</b>	Multifunction LCD status and control console
<b>Emergency power off</b>	Yes
<b>Free slots</b>	1
<b>Preinstalled device</b>	Network management card 2 with environmental monitoring
<b>Alarm</b>	Audible and visible alarms : prioritized by severity
<b>UPS connectivity</b>	Serial port Available expansion slot Pre-installed network management card 3
<b>Number of rack unit</b>	19U
<b>Colour</b>	Black Silver
<b>Height</b>	838 mm
<b>Width</b>	472 mm
<b>Depth</b>	688 mm
<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
<b>Mounting mode</b>	Rack-mounted with included kit
<b>Provided equipment</b>	CD with software Documentation CD Installation guide User manual Web/SNMP management card
<b>Number of power module filled slots</b>	3
<b>Number of power module free slots</b>	2

<b>Additional specification</b>	4kVA power increments
<b>Redundant</b>	Yes
<b>Range of product</b>	Symmetra LX
<b>Product or component type</b>	Uninterruptible power supply (UPS)
<b>Performance multiplier</b>	1
<b>Number of tare power</b>	290 W
<b>Value multiplier</b>	1
<b>Size UPS version</b>	Internetworking Server Telecom
<b>Curve equation</b>	Efficiency
<b>Curve load maximum</b>	100 %
<b>Curve X-axis maximum</b>	100 %
<b>Curve X-axis minimum</b>	0 %
<b>Curve X-axis title</b>	Load
<b>Curve X-axis units</b>	Percentage
<b>Curve Y-axis maximum</b>	100 %
<b>Curve Y-axis minimum</b>	50 %
<b>Curve Y-axis title</b>	Efficiency
<b>Curve Y-axis units</b>	Percentage
<b>Graph display</b>	1
<b>Show note OP temperature</b>	No
<b>Battery curve</b>	C
<b>Liquid value</b>	0
<b>Battery design life</b>	2 year(s)
<b>UPS design life</b>	10 year(s)
<b>Battery power in VAH</b>	2592 VAh runtime
<b>Battery option</b>	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
<b>UPS size</b>	L

## Environment

<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
<b>Ambient air temperature for operation</b>	0...40 °C

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Ambient air temperature for storage	-15...45 °C
Storage altitude	0...4572 m
Relative humidity	0...95 %
Storage Relative Humidity	0...95 %
Acoustic level	62 dBA
Heat dissipation	3707 Btu/h
Operating altitude	0...10000 ft

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## Packing Units

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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

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## Contractual warranty

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Warranty (in months)	24
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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 54949

## 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](#)

## 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

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