

# Product datasheet

Specifications



## APC Symmetra LX 12kVA scalable to 16kVA N+1 Tower, 220/230/240V or 380/400/415V

SYA12K16I

### Overview

<b>Presentation</b>	High performance, redundant power protection with scalable power and runtime for space-constrained server rooms, and voice and data networks.
<b>Lead time</b>	Usually in Stock

### 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 connector type</b>	Hard wire 3-wire (H N + E) 1
<b>Battery type</b>	Lead-acid battery
<b>Provided equipment</b>	CD with software Documentation CD Installation guide User manual Web/SNMP management card

### Batteries & Runtime

<b>Number of battery filled slots</b>	3
<b>Number of battery free slots</b>	1
<b>Battery recharge time</b>	3 h
<b>Additional information</b>	Configurable for 220 : 230 or 240 nominal output voltage
<b>Battery charger power</b>	861 W rated
<b>Battery power in VAh</b>	2592 VAh runtime
<b>Battery life</b>	3...5 year(s)
<b>Replacement battery</b>	<a href="#">SYBT5</a>
<b>Battery option</b>	SYBT5 1 3456 VAh SYAXR9B9I 1 10368 VAh SYAXR9B9I 2 18144 VAh SYAXR9B9I 3 25920 VAh

SYAXR9B9I 4 33696 VAh  
SYAXR9B9I 5 41472 VAh  
SYAXR9B9I 6 49248 VAh  
SYAXR9B9I 7 57024 VAh

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Extended runtime	1
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## General

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Product web sub-family	4kVA power increments
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Number of power module free slots	2
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Number of power module filled slots	3
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Redundant	Yes
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## Physical

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Colour	Black Silver
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Height	93.7 cm
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Width	48.3 cm
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Depth	72.6 cm
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Net weight	263.64 kg
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Mounting location	Front
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Mounting preference	No preference
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Mounting mode	Not rack-mountable
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Two post mountable	0
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USB compatible	No
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## Input

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Network frequency	45...65 Hz auto-sensing
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Number of input connectors	1 hard wire 3-wire (1P + N + E) 1 hard wire 5-wire (3P + N + E)
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Input voltage limits	155...276 V 290...480 V 3:1
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Input harmonic distortion	Less than 7 % for full load
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Input Power Factor at Full Load	0.98
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## Output

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Maximum configurable power in W	11200 W
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Harmonic distortion	Less than 5 % at full load
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Output frequency	47...63 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
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Crest factor	Up to 5 : 1
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UPS type	Double conversion online
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Wave type	Sine wave
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Bypass type	Internal bypass (automatic and manual)
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Maximum output current	55 A
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Maximum configurable power in VA	16000 VA
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## Conformance

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

## 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	0.00...4572.00 m
Acoustic level	62 dBA
Heat dissipation	3707 Btu/h

## 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	118.1 cm
Package 1 Width	59.9 cm
Package 1 Length	99.7 cm
Package 1 Weight	287.27 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>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

# Contractual warranty

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Warranty 2 years repair or replace

Recommended replacement(s)