

# Product datasheet

Specifications



## APC Symmetra LX 16kVA Scalable to 16kVA N+1 Ext. Run Tower, 220/230/240V or 380/400/415V

SYA16K16IXR

EAN Code: 3606489642839

## Overview

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

## Main

<b>Main input voltage</b>	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
<b>Other input voltage</b>	220 V 240 V 380 V 415 V
<b>Input harmonic distortion</b>	Less than 7 % for full load
<b>Cos phi</b>	0.98
<b>Efficiency at full load</b>	155...276 V 1:1 290...480 V 3:1
<b>Input connection</b>	1 hard wire 3-wire (1P + N + E) 1 hard wire 5-wire (3P + N + E)
<b>Input frequency</b>	45...65 Hz auto-sensing
<b>Output voltage</b>	220 V AC 1 phase 230 V AC 1 phase 240 V AC 1 phase
<b>Other output voltage</b>	220 V 240 V
<b>Rated power in W</b>	11200 W
<b>Rated power in VA</b>	16000 VA
<b>Output connection</b>	Hard wire 3-wire (H N + E) for 1 zone(s)
<b>Bypass type</b>	Internal bypass (automatic and manual)
<b>Crest factor</b>	Up to 5 : 1
<b>Harmonic distortion</b>	Less than 5 % at full load
<b>Maximum configurable power in VA</b>	16000 VA
<b>Maximum configurable power in W</b>	11200 W
<b>Maximum output current</b>	73 A
<b>UPS topology</b>	On-Line
<b>Waveform type</b>	Sine wave

<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
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## Complementary

<b>Battery type</b>	Lead-acid battery
<b>Additional information</b>	Configurable for 220 : 230 or 240 nominal output voltage
<b>Extendable runtime</b>	1
<b>Included battery module</b>	9
<b>Empty battery slot</b>	4
<b>Typical recharge time</b>	7.5 h
<b>Battery life</b>	3...5 year(s)
<b>Battery charging power</b>	1035 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 slot</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>Color</b>	Black Silver
<b>Height</b>	1516 mm
<b>Width</b>	483 mm
<b>Depth</b>	726 mm
<b>Product weight</b>	503.64 kg
<b>Mounting location</b>	Front
<b>Mounting preference</b>	No preference
<b>Mounting mode</b>	Not rack-mountable
<b>Two post mountable</b>	0
<b>USB compatible</b>	No
<b>Mounting mode</b>	Tower
<b>Provided equipment</b>	CD with software Documentation CD User manual Web/SNMP management card
<b>Number of power module filled slots</b>	4
<b>Number of power module free slots</b>	1
<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)

Performance multiplier	1
Value multiplier	1
Size UPS version	Internetworking Server Telecom
Curve equation	Efficiency
Curve fixed loss	0.0352
Curve load maximum	100 %
Curve load minimum	4 %
Curve proportional loss	0.0265
Curve square loss	0.0252
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 GOST VDE
Standard	EN 50091-1 EN 50091-2 EN 55022 class A EN 55024 EN 60950 IEC 60950
Ambient air temperature for operation	0...40 °C
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

## General

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Tare power	380 W
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## Packing Units

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Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	188 cm
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Package 1 Width	99.7 cm
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Package 1 Length	59.9 cm
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Package 1 Weight	535.45 kg
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## Logistical informations

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Country of origin	PH
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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	48 644 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	7 168 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	69 kg CO2 eq.
Carbon footprint of the installation phase [A5]	67 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	41 159 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	181 kg CO2 eq.

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	66
End of life manual availability	<a href="#">End of Life Information</a>
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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