

Product datasheet

Specifications



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

SYA12K16IXR

Price: 367,379.12 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 1:1
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 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

UPS type Double conversion online

Wave type Sine wave

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

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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Complementary

Battery type	Lead-acid battery
Additional information	Configurable for 220 : 230 or 240 nominal output voltage
Extended runtime	1
Number of battery filled slots	9
Number of battery free slots	4
Battery recharge time	7.5 h
Battery life	3...5 year(s)
Battery charger power	1035 W rated
Battery type	Lead-acid internal included
Control panel	Multifunction LCD status and control console
Emergency power off	Yes
Free slots	1
Preinstalled device	Network management card 2 with environmental monitoring
Alarm	Audible and visible alarms : prioritized by severity
UPS connectivity	Serial port Available expansion slot Pre-installed network management card 3
Colour	Black Silver
Height	1516 mm
Width	483 mm
Depth	726 mm
Net weight	488.64 kg
Mounting location	Front
Mounting preference	No preference
Mounting mode	Not rack-mountable
Two post mountable	0
USB compatible	No
Mounting mode	Tower
Provided equipment	CD with software Documentation CD User manual Web/SNMP management card
Number of power module filled slots	3
Number of power module free slots	2
Additional specification	4kVA power increments
Redundant	Yes
Range of product	Symmetra LX
Product or component type	Uninterruptible power supply (UPS)

Performance multiplier	1
Number of tare power	290 W
Value multiplier	1
Size UPS version	Internetworking Server Telecom
Curve equation	Efficiency
Curve fixed loss	0.039
Curve load maximum	100 %
Curve load minimum	5 %
Curve proportional loss	0.0258
Curve square loss	0.0222
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 units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %
Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Graph display	1
Show note OP temperature	No
Battery curve	C
Liquid value	0
Battery design life	2 year(s)
UPS design life	10 year(s)
Battery power in VAh	7776 VAh runtime
Battery option	SYBT5 2 9504 VAh SYBT5 4 11232 VAh SYAXR9B9I 1 15552 VAh SYAXR9B9I 2 23328 VAh SYAXR9B9I 3 31104 VAh SYAXR9B9I 4 38880 VAh SYAXR9B9I 5 46656 VAh SYAXR9B9I 6 54432 VAh
UPS size	L

Environment

Product certifications	C-Tick CE GOST VDE
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Standards	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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	188 cm
Package 1 Width	99.7 cm
Package 1 Length	59.9 cm
Package 1 Weight	520.46 kg

Contractual warranty

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 >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

No

[EU RoHS Directive](#)

Compliant with Exemptions

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



