

Product datasheet

Specifications



Symmetra LX 12 kVA scalable to 16 kVA N+1 tower 220/230/240V or 380/400/415V

SYA12K16I

Price: 232,892.13 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 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	3
Number of battery free slots	1
Battery recharge time	3 h
Battery life	3...5 year(s)
Battery charger power	861 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	937 mm
Width	483 mm
Depth	726 mm
Net weight	263.64 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 Installation guide 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	2592 VAh runtime
Battery option	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
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	118.1 cm
Package 1 Width	59.9 cm
Package 1 Length	99.7 cm
Package 1 Weight	287.27 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 >](#)



Environmental footprint

Total lifecycle Carbon footprint 42559

Use Better



Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 2d54512b-134b-4bf3-ab6e-849ecf1e3919

REACH Regulation [REACH Declaration](#)

Use Longer



Lifetime extension

Repair No

Use Again



Repack and remanufacture

End of life manual availability [End of Life Information](#)

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







