Product datasheet

Specifications



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

SYA12K16I

Overview

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

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
Other input voltage	220 V 240 V 380 V 415 V
Input harmonic distortion	Less than 7 % for full load
Cos phi	0.98
Efficiency at full load	155...276 V 290...480 V 3:1
Input connection	1 hard wire 3-wire (1P + N + E) 1 hard wire 5-wire (3P + N + E)
Input frequency	45...65 Hz auto-sensing
Output voltage	220 V AC 1 phase 230 V AC 1 phase 240 V AC 1 phase
Other output voltage	220 V 240 V
Rated power in W	8400 W
Rated power in VA	12000 VA
Output connection	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 topology	On-Line
Waveform type	Sine wave

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Battery type	Lead-acid battery
Additional information	Configurable for 220 : 230 or 240 nominal output voltage
Extendable runtime	1
Included battery module	3
Empty battery slot	1
Typical recharge time	3 h
Battery life	3…5 year(s)
Battery charging power	861 W rated
Battery type	Lead-acid internal included
Control panel	Multifunction LCD status and control console
Emergency power off	Yes
Free slot	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
Color	Black Silver
Height	937 mm
Width	483 mm
Depth	726 mm
Product 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
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 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

Tare power	290 W

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

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	**42 559 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**3 846 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**37 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**36 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**38 543 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**97 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**2d54512b-134b-4bf3-ab6e-849ecf1e3919**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**66**
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






Output
Pwr
Alarm
Probe
10/100Base-T
APC
Smart-Slot
10/100
AP9619 Network Management Card EM
Communications Card
Computer Interface
APC
www.apc.com
Total Power Off:
Arrêt de courant total :




No Active Alarms
System Date/Time:
Dec-12 2002 13:14
ESC
?



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