

Product data sheet

Specifications



APC Symmetra LX 8kVA Scalable to 16kVA N+1 Tower, 220/230/240V or 480/400/415V

SYA8K16I

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 phase 230 V AC 1 phase 240 V AC 1 phase 380 V AC 3 phase 415 V AC 3 phase
Other Input Voltages	220 V 240 V 380 V 415 V
Input Total Harmonic Distortion	Less than 7% for full load
Cos phi	0.98
Efficiency at full load	155...276 V 290...480 V 3:1
Number of input connectors	1 Hard Wire 3-wire (1PH+N+G) 1 Hard Wire 5-wire (3PH + N + G)
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 Voltages	220 V 240 V
Rated power in W	5600 W
rated power in VA	8000 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
Max Configurable Power (Watts)	11200 W
Maximum output current	36 A
Topology	On-Line
Waveform Type	Sine wave

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 (sync to mains)	47...63 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced 50 Hz +/- 0.1 % for 50 Hz nominal not synced
----------------------------------	--

Complementary

Additional information	Configurable for 220 : 230 or 240 nominal output voltage
Battery Size	Lead-acid internal included
Control panel	Multi-function LCD status and control console
Emergency Power Off (EPO)	Yes
Free slots	1
Pre-Installed SmartSlot™ Cards	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	36.9 in (937 mm)
Width	19.02 in (483 mm)
Depth	28.6 in (726 mm)
Net Weight	484.03 lb(US) (219.55 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	2
Number of power module free slots	3
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	0.0464
Curve load maximum	100 %

Curve load minimum	5 %
Curve proportional loss	0.0238
Curve square loss	0.02
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
UPS size	L

Environment

Product Certifications	C-tick CE GOST VDE
Standards	EN 50091-1 EN 50091-2 EN 55022 Class A EN 55024 EN 60950 IEC 60950
Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Ambient Air Temperature for Storage	5...113 °F (-15...45 °C)
Storage altitude	0...15000 ft (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

Batteries & Runtime

Run Time	View Runtime Graph 
Efficiency	View Efficiency Graph 
Battery Type	Lead-Acid battery
Extendable Run Time	1
Included Battery Modules	2
Battery Slots Empty	2

Typical recharge time	3 h
Battery Life	3...5 year(s)
Battery Charge Power (Watts)	574 W rated

General

Number of tare power	200 W
----------------------	-------

Ordering and shipping details

GTIN	731304221555
------	--------------

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	46.5 in (118.1 cm)
Package 1 Width	39.3 in (99.7 cm)
Package 1 Length	23.6 in (59.9 cm)
Package weight(Lbs)	522.10 lb(US) (236.82 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	30 634 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 170 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	31 kg CO2 eq.
Carbon footprint of the installation phase [A5]	30 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	27 324 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	80 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
Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.