Product data sheet

Specifications



Discontinued

APC Symmetra LX 16kVA Scalable to 16kVA N+1 Rack-mount, 208/240V

SYA16K16RMP

Discontinued on: Aug 8, 2026

To be end-of-service on: Mar 30, 2035

Main

Main input voltage	208 V AC 1 phase 120 V AC 1 phase 240 V AC 1 phase
Other input voltage	240 V
Input harmonic distortion	Less than 7 % for full load
Cos phi	0.98
Efficiency at full load	96...138 V line to neutral
Input connection	1 hard wire 4-wire (2P + N + E)
Input frequency	45...65 Hz auto-sensing
Output voltage	120 V AC 1 phase 208 V AC 1 phase 240 V AC 1 phase
Other output voltage	240 V
Rated power in W	12800 W
Rated power in VA	16000 VA
Output connection	8 NEMA L5-20R 4 NEMA L14-30R
Output connection	Hard wire 4-wire (2P + N + E) for 1 zone(s)
Bypass type	Internal bypass (automatic and manual) Optional external bypass
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	12800 W
Maximum output current	75 A
UPS topology	On-Line
Waveform type	Sine wave
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

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

Efficiency	View Efficiency Graph

Complementary

Battery type	Lead-acid battery
Additional information	Configurable for 120/208 or 120/240 output voltage
Extendable runtime	1
Included battery module	4
Empty battery slot	0
Typical recharge time	3 h
Battery life	3…5 year(s)
Battery charging power	1148 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 Pre-installed network management card 3 Available expansion slot
Number of rack unit	19U
Color	Black Silver
Height	836 mm
Width	472 mm
Depth	688 mm
Product weight	286.82 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No
Mounting mode	Rack-mounted with included kit
Provided equipment	CD with software Documentation CD Installation guide Rack mounting support rails Temperature probe User manual Web/SNMP management card
Number of power module filled slots	4
Number of power module free slots	1
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	0.0305
Curve load maximum	100 %
Curve load minimum	4 %
Curve proportional loss	0.0394
Curve square loss	0.0455
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	CSA
Standard	FCC part 15 class A OSHPD UL 1778
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	4995 Btu/h
Operating altitude	0...10000 ft

General

Tare power	380 W

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	105.4 cm
Package 1 Width	99.7 cm
Package 1 Length	59.9 cm
Package 1 Weight	340.45 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	**59 914 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**4 558 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**44 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**42 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**55 155 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**115 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Again

Repack and remanufacture

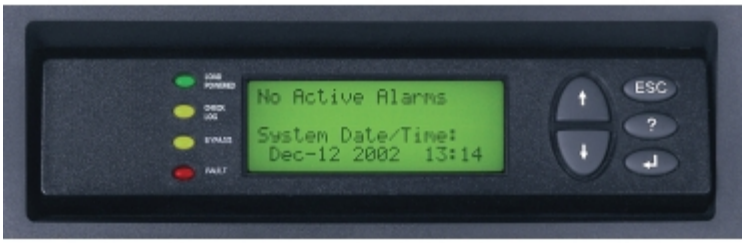
Recyclability potential, in %	**66**
Removable battery	**User replaceable**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Image of product / Alternate images

Alternative






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