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**APC Symmetra LX 16kVA Scalable to 16kVA N+1
Rack-mount, 220/230/240V or 380/400/415V
Part Number: SYA16K16RMI**



[Technical Specifications](#) [Product Overview](#) [Documentation](#) [Software & Firmware](#) [Options](#)

Output

Output Power Capacity	11.2 kW / 16 kVA
Max Configurable Power	11.2 kW / 16 kVA
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load	90.0%
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	47 - 63 Hz
Other Output Voltages	220,240
Crest Factor	up to 5 : 1
Topology	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 3-wire (H N + G) (8) IEC 320 C13  (10) IEC 320 C19 
Bypass	Internal Bypass (Automatic and Manual)

Input

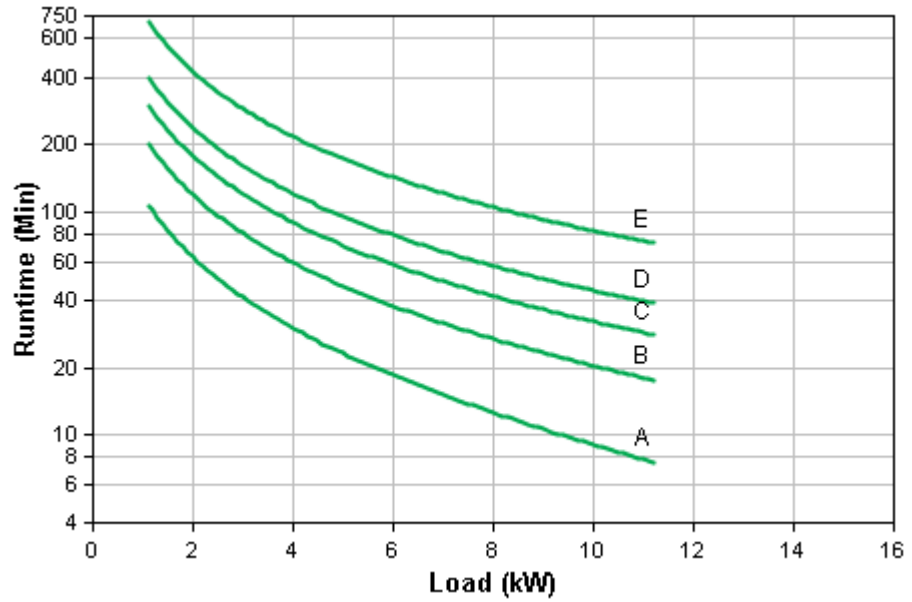
Nominal Input Voltage	230V,400V 3PH
Input Frequency	45 - 65 Hz (auto sensing)
Input Connections	Hard Wire 3 wire (1PH+N+G) Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	155 - 276,290 - 480 (3:1)V
Other Input Voltages	220V,240V,380V,415V
Input Total Harmonic Distortion	Less than 7% for full load

Batteries & Runtime

Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Included Battery Modules	4
Typical recharge time	3 hour(s)
Replacement Battery	SYBT5
Extended Run Options	APC Symmetra LX 16kVA Scalable to 16kVA N+1 Rack-mount, 220/230/240V or 380/400/415V

Runtime Graph

Curve	Part Number(s)
A	SYA16K16RMI
B	SYA16K16RMI + (1)SYARMXR3B3I
C	SYA16K16RMI + (2)SYARMXR3B3I
D	SYA16K16RMI + (1)SYARMXR9B9I
E	SYA16K16RMI + (2)SYARMXR9B9I



Hover over the line on the graph above to view the runtime at any desired load

Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

[View Runtime Chart](#)

Communications & Management

Interface Port(s)	DB-9 RS-232,RJ-45 10/100 Base-T,Smart-Slot
Available SmartSlot™ Interface Quantity	1
Pre-Installed SmartSlot™ Cards	AP9631
Control panel	Multi-function LCD status and control console
Audible Alarm	Audible and visible alarms prioritized by severity
Emergency Power Off (EPO)	Yes

Physical

Maximum Height	838.00 mm
Maximum Width	472.00 mm
Maximum Depth	688.00 mm
Rack Height	19U
Net Weight	286.82 KG
Shipping Weight	340.45 KG
Shipping Height	1054.00 mm
Shipping Width	599.00 mm
Shipping Depth	997.00 mm
Color	Black,Silver
Units per Pallet	1.00

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	0 - 95%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0 - 95%
Storage Elevation	0-4500 meters
Audible noise at 1 meter from surface of unit	62.00 dBA
Online Thermal Dissipation	3707.00 BTU/hr
Conformance	
Regulatory Approvals	C-tick,CE,EN 50091-1,EN 50091-2,EN 55022 Class A,EN 55024,EN 60950,GOST,IEC 60950,VDE
Standard Warranty	2 years repair or replace

*Except where noted, all prices are Estimated Resale Price (ERP) - Without Tax/VAT. Pricing in other locations and sites may vary.

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.