

Symmetra LX

APC Symmetra LX 8kVA Scalable to 16kVA N+1, Tower 208/240V Input, 208/240V and 120V Output



APC Symmetra LX, 6400 Watts / 8000 VA,Input 208V / Output 120V, 208V, Interface Port DB-9 RS-232, Smart-Slot, Extended runtime model

Includes: CD with software, Installation guide, User Manual, Web/SNMP Management Card

Standard Lead Time: Usually in Stock

Symmetra LX Features & Benefits

Availability	
Modular design	Provides fast serviceability and reduced maintenance requirements via self-diagnosing, field-replaceable modules.
Configurable for N+1 internal redundancy	Provides high availabilty through redundancy by allowing configuration with one more Power Module than is necessary to support the connected load.
Redundant Intelligence Modules	Provides higher availability to the UPS connected loads by giving redundant communication paths to critical UPS functions.
Hot-swappable intelligence modules	Ensures clean, uninterrupted power to protected equipment during Intelligence Module replacement.
Hot-swappable power modules	Ensures clean, uninterrupted power to protected equipment during Power Module replacement.
Hot-swappable batteries	Ensures clean, uninterrupted power to protected equipment while batteries are being replaced
Power Modules connected in parallel	Enhances availability by allowing immediate, seamless recovery from isolated module failures.
Battery modules connected in parallel	Delivers higher availability through redundant batteries.
Automatic internal bypass	Supplies utility power to the connected loads in the event of a UPS overload condition or fault.
Automatic restart of loads after UPS shutdown	Automatically starts up the connected equipment upon the return of utility power.
Adaptability	
Scalable power capacity	Reduces UPS over-sizing costs today by allowing quick upgrades later.
Scalable runtime Plug-and-Play external batteries	Allows additional run time to be quickly added as needed. Ensures clean, uninterrupted power to the loads when adding extra runtime to the UPS.
Rack/Tower convertible	Protects the initial investment in the UPS when migrating from tower to rack-mount environment.
Field-replaceable power distribution panel	Ensures compatibility with equipment that has different plug types.
Programmable frequency	Ensures compatibility with different input frequencies.
Manageability Manageable external	Reduces preventative maintenance service needs by monitoring the health
batteries	and status of the external batteries and their expected runtime.
Network manageable	Provides remote management of the UPS over the network.
InfraStruXure Manager Compatible	Enables centralized management via the APC InfraStruXure® Manager.
LCD display Intelligent Battery	Alpha-Numeric Display which displays system parameters and alarms. Maximizes battery performance, life, and reliability through intelligent,
Management	precision charging.
SmartSlot	Customize UPS capabilities with management cards.
Serviceability	
Shippable with	Enables pre-installation UPS staging and testing and faster installation.

modules installed
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Predictive failure	Provides early-warning fault analysis ensuring proactive component
notification	replacement.
Automatic self-test	Periodic battery self-test ensures early detection of a battery that needs to be replaced.
Audible Alarms	Actively let you know if the unit is on battery, if the battery is low or if there is an overload condition.
User-replaceable intelligence modules	Enables simple upgrades and replacements of the Intelligence Modules.
User-replaceable power modules	Enables simple upgrades and replacements of the Power Modules.
User-replaceable	Increases availability by allowing a trained user to perform upgrades and
batteries	replacements of the batteries reducing Mean Time to Repair (MTTR)
Disconnected battery notification	Warns when a battery is not available to provide backup power.
Removable input/output wiring tray	Allows quick and easy installation and maintenance of the UPS.
Protection	
Power conditioning	Protects connected loads from surges, spikes, lightning, and other power disturbances.
Frequency and voltage regulation	Gives higher application availability by correcting poor frequency and voltage conditions without using the battery.
Input power factor correction	Minimizes installation costs by enabling the use of smaller generators and cabling.
Generator Compatible	Ensures clean, uninterrupted power to the loads in the event of an extended power outage
Cold-start capable	Provides temporary battery power when the utility power is out.
Resettable circuit breakers	Enables a quick recovery from overload events.
Safety-agency approved	Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment. UL, FCC, CE, C-Tick approvals.

Output

Output Power Capacity 6400 Watts / 8000 VA

Max Configurable Power 12.8 kW / 16 kVA

Nominal Output Voltage 120V,208V

Output Voltage Note Configurable for 120/208 or 120/240 output voltage

Output Voltage Distortion Less than 5% at full load

Output Frequency (sync to mains) 47 - 63 Hz

Crest Factor up to 5 : 1

Waveform Type Sine wave

Output Connections (1) Hard Wire 4-wire (2PH + N + G)

Bypass (Automatic and Manual)

Input

Nominal Input Voltage 208V

Input Frequency 45 - 65 Hz (auto sensing)

Input Connections Hard Wire 4-wire (2PH+N+G)

Input voltage range for main

operations

96 - 138 (Line to Neutral)V

Other Input Voltages 240V

Batteries & Runtime

Battery Type Maintenance-free sealed Lead-Acid battery with suspended electrolyte: leakproof

Included Battery Modules 2

Available Battery Slots 2

Typical recharge time 3 hour(s)

Replacement Battery SYBT5

Typical Backup Time

at Half Load

17.0 minutes (3200 Watts)

Typical Backup Time

-4 E-11 I - - 1

5.9 minutes (6400 Watts)

at Full Load

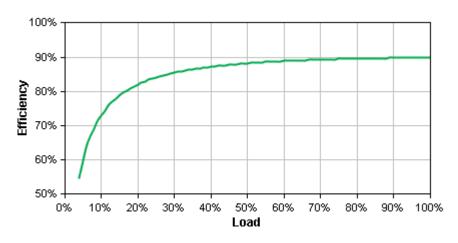
Runtime Chart Symmetra LX

Extended Run Options APC Symmetra LX 8kVA Scalable to 16kVA N+1, Tower 208/240V Input,

208/240V and 120V Output

Energy Use/Efficiency

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Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and resistive load output.

View Enlarged Chart

Communications & Management

Interface Port(s) DB-9 RS-232,Smart-Slot

Available SmartSlotTM Interface 1

Quantity

Pre-Installed SmartSlotTM Cards AP9619

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	937.00 mm
Maximum Width	483.00 mm
Maximum Depth	726.00 mm
Net Weight	219.55 KG
Shipping Weight	236.82 KG
Shipping Height	1181.00 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%

Operating Elevation 0-3000 meters

Storage Temperature -15 - 45 °C

Storage Relative Humidity 0%

Storage Elevation 0-4500 meters

Audible noise at 1 meter from

surface of unit

62.00 dBA

Online Thermal Dissipation 4995.00 BTU/hr

Conformance

Regulatory Approvals CSA,FCC Part 15 Class A,UL 1778

Standard Warranty 2 years repair or replace

**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.