

Symmetra LX

APC Symmetra LX 4kVA Scalable to 8kVA N+1 Rack-mount, 208/240V Input, 208/240V and 120V Output



APC Symmetra LX, 3200 Watts / 4000 VA, Input 208V / Output 120V, 208V, Interface Port DB-9 RS-232, Smart-Slot, Extended runtime model, Rack Height 13 U

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

Standard Lead Time: Usually in Stock

Symmetra LX Features & Benefits

Availability

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| Modular design | Provides fast serviceability and reduced maintenance requirements via self-diagnosing, field-replaceable modules. |
| Configurable for N+1 internal redundancy | Provides high availability 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

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| Scalable power capacity | Reduces UPS over-sizing costs today by allowing quick upgrades later. |
| Scalable runtime | Allows additional run time to be quickly added as needed. |
| Plug-and-Play external batteries | 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

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| Manageable external batteries | Reduces preventative maintenance service needs by monitoring the health 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 | Alpha-Numeric Display which displays system parameters and alarms. |
| Intelligent Battery Management | Maximizes battery performance, life, and reliability through intelligent, precision charging. |
| SmartSlot | Customize UPS capabilities with management cards. |

Serviceability

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| Shippable with modules installed | Enables pre-installation UPS staging and testing and faster installation. |
| Predictive failure notification | Provides early-warning fault analysis ensuring proactive component 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 batteries | Increases availability by allowing a trained user to perform upgrades and 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

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| Output Power Capacity | 3200 Watts / 4000 VA |
| Max Configurable Power | 6400 Watts / 8000 VA |
| Nominal Output Voltage | 120V,208V |
| Output Voltage Note | Configurable for 120/208 or 120/240 output voltage |
| Efficiency at Full Load | 90% |
| 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) (2) NEMA L14-30R (4) NEMA L5-20R |
| Bypass | Internal Bypass (Automatic and Manual),Optional External Bypass |



Input

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| 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

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| Battery Type | Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof |
| Included Battery Modules | 1 |
| Available Battery Slots | 1 |
| Typical recharge time | 3 hour(s) |
| Replacement Battery | SYBT5 |
| Typical Backup Time at Half Load | 16.9 minutes (1600 Watts) |
| Typical Backup Time | 5.9 minutes (3200 Watts) |

at Full Load

Runtime Chart

[Symmetra LX](#)

Extended Run Options

[APC Symmetra LX 4kVA Scalable to 8kVA N+1 Rack-mount, 208/240V Input, 208/240V and 120V Output](#)

Communications & Management

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| Interface Port(s) | DB-9 RS-232,Smart-Slot |
| Available SmartSlot™ Interface Quantity | 1 |
| Pre-Installed SmartSlot™ 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

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| Maximum Height | 572.00 mm |
| Maximum Width | 472.00 mm |
| Maximum Depth | 688.00 mm |
| Rack Height | 13U |
| Net Weight | 134.09 KG |
| Shipping Weight | 166.36 KG |
| Shipping Height | 787.00 mm |
| Shipping Width | 599.00 mm |
| Shipping Depth | 997.00 mm |
| Color | Black,Silver |
| Units per Pallet | 1.00 |

Environmental

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| 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 |

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| Online Thermal Dissipation | 3707.00 BTU/hr |
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Conformance

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| Regulatory Approvals | CSA,FCC Part 15 Class A,UL 1778 |
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| Standard Warranty | 2 years repair or replace |
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**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.