

Product data sheet

Specifications



APC Symmetra LX 12kVA scalable to 16kVA N+1 Tower

SYA12K16P

Overview

Lead time Usually in Stock

Main

| | |
|-----------------------|---|
| Main Input Voltage | 208 V |
| Other Input Voltage | 240 V |
| Main Output Voltage | 120 V 208 V |
| Other Output Voltage | 240 V |
| Kw Rating | 9600 W |
| Rated power in VA | 12000 VA |
| Output connector type | Hard Wire 4-wire (2PH+N+G) 1 |
| Battery type | Lead-Acid battery |
| Provided equipment | CD with software Installation guide User Manual Web/SNMP Management Card |

Batteries & Runtime

| | |
|------------------------------|--|
| Included Battery Modules | 3 |
| Battery Slots Empty | 1 |
| Typical recharge time | 3 h |
| Additional information | Configurable for 120/208 or 120/240 output voltage |
| Battery Charge Power (Watts) | 861 W rated |
| Battery power in VAh | 2592 VAh runtime |
| Battery Life | 3...5 year(s) |
| Replacement battery | SYA8K16PX798 |
| | SYBT5 |
| Battery option | SYBT5 1 3456 VAh SYAXR9B9 1 10368 VAh SYAXR9B9 2 18144 VAh SYAXR9B9 3 25920 VAh SYAXR9B9 4 33696 VAh SYAXR9B9 5 41472 VAh SYAXR9B9 6 49248 VAh SYAXR9B9 7 57024 VAh |

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| Extendable Run Time | 1 |
|---------------------|---|

General

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|------------------------|-----------------------|
| Product web sub-family | 4kVA power increments |
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|-----------------------------------|---|
| Number of power module free slots | 2 |
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|-------------------------------------|---|
| Number of power module filled slots | 3 |
|-------------------------------------|---|

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|-----------|-----|
| Redundant | Yes |
|-----------|-----|

Physical

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|-------|-----------------|
| Color | Black Silver |
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|--------|--------------------|
| Height | 36.89 in (93.7 cm) |
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|-------|--------------------|
| Width | 19.02 in (48.3 cm) |
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|-------|--------------------|
| Depth | 28.58 in (72.6 cm) |
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|------------|---------------------------|
| Net Weight | 581.23 lb(US) (263.64 kg) |
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|-------------------|-------|
| Mounting Location | Front |
|-------------------|-------|

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|---------------------|---------------|
| Mounting preference | No preference |
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|---------------|--------------------|
| Mounting Mode | Not rack-mountable |
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|--------------------|---|
| Two post mountable | 0 |
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|----------------|----|
| USB compatible | No |
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Input

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|-----------------|-------------------------|
| Input Frequency | 45...65 Hz auto-sensing |
|-----------------|-------------------------|

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|----------------------------|------------------------------|
| Number of input connectors | 1 Hard Wire 4-wire (2PH+N+G) |
|----------------------------|------------------------------|

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|-------------------------|----------------------------|
| Efficiency at full load | 96...138 V line to neutral |
|-------------------------|----------------------------|

| | |
|---------------------------------|----------------------------|
| Input Total Harmonic Distortion | Less than 7% for full load |
|---------------------------------|----------------------------|

| | |
|---------------------------------|------|
| Input Power Factor at Full Load | 0.98 |
|---------------------------------|------|

Output

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|--------------------------------|---------|
| Max Configurable Power (Watts) | 12800 W |
|--------------------------------|---------|

| | |
|---------------------|----------------------------|
| Harmonic distortion | Less than 5 % at full load |
|---------------------|----------------------------|

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|----------------------------------|--|
| 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 |
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| Crest factor | Up to 5 : 1 |
|--------------|-------------|

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|----------|--------------------------|
| Topology | Double Conversion Online |
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|---------------|-----------|
| Waveform Type | Sine wave |
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|-------------|--|
| Bypass type | Internal Bypass (Automatic and Manual) |
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|------------------------|------|
| Maximum output current | 56 A |
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| Maximum configurable power in VA | 16000 VA |
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Conformance

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| Product Certifications | CSA |
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| Standards | FCC Part 15 class A UL 1778 |
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Environmental

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| Ambient air temperature for operation | 32...104 °F (0...40 °C) |
| Relative Humidity | 0...95 % |
| Operating altitude | 0...10000 ft |
| Ambient Air Temperature for Storage | 5...113 °F (-15...45 °C) |
| Storage Relative Humidity | 0...95 % |
| Storage altitude | 0...15000 ft (0.00...4572.00 m) |
| Acoustic level | 62 dBA |
| Heat dissipation | 4995 Btu/h |

Communications & Management

| | |
|--------------------------------|---|
| Free slots | 1 |
| Pre-Installed SmartSlot™ Cards | Network management card 2 with environmental monitoring |
| Control panel | Multi-function LCD status and control console |
| Alarm | Audible and visible alarms : prioritized by severity |
| Emergency Power Off (EPO) | Yes |

Ordering and shipping details

| | |
|------|--------------|
| GTIN | 731304221524 |
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Packing Units

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|------------------------------|---------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 46.50 in (118.1 cm) |
| Package 1 Width | 39.25 in (99.7 cm) |
| Package 1 Length | 23.58 in (59.9 cm) |
| Package 1 Weight | 633.32 lb(US) (287.27 kg) |

Offer Sustainability

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|-----------------------------|---|
| Sustainable offer status | Green Premium product |
| 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 |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Optimized Energy Efficiency | Energy efficient product |
| Take-back | Take-back program available |

Contractual warranty

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|----------|---------------------------|
| Warranty | 2 years repair or replace |
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Recommended replacement(s)