

# Product datasheet

Specifications



## APC Symmetra LX 8kVA Scalable to 8kVA N+1 Rack-mount, 220/230/240V or 380/400/415V

SYA8K8RMI

### Overview

|                     |   |
|---------------------|---|
| <b>Presentation</b> | High performance, redundant power protection with scalable power and runtime for space-constrained server rooms, and voice and data networks. |
| <b>Lead time</b>    | Usually in Stock  |

### Main

|                               |   |
|-------------------------------|---|
| <b>Main Input Voltage</b>     | 230 V<br>400 V 3 phases   |
| <b>Other Input Voltage</b>    | 220 V<br>240 V<br>380 V<br>415 V  |
| <b>Main Output Voltage</b>    | 230 V   |
| <b>Other Output Voltage</b>   | 220 V<br>240 V  |
| <b>Rated power in W</b>       | 5600 W  |
| <b>Rated power in VA</b>      | 8000 VA   |
| <b>Output connection type</b> | 8 IEC 60320 C13<br>6 IEC 60320 C19  |
| <b>Output connector type</b>  | Hard wire 3-wire (H N + E) 1  |
| <b>Number of rack unit</b>    | 13U   |
| <b>Battery type</b>           | Lead-acid battery   |
| <b>Provided equipment</b>     | CD with software<br>Documentation CD<br>Installation guide<br>User manual<br>Web/SNMP management card |

### Batteries & Runtime

|                                       |  |
|---------------------------------------|--|
| <b>Number of battery filled slots</b> | 2  |
| <b>Number of battery free slots</b>   | 0  |
| <b>Battery recharge time</b>          | 3 h  |
| <b>Additional information</b>         | Configurable for 220 : 230 or 240 nominal output voltage |
| <b>Battery charger power</b>          | 574 W rated  |
| <b>Battery power in VAh</b>           | 1728 VAh runtime   |
| <b>Battery life</b>                   | 3...5 year(s)  |
| <b>Replacement battery</b>            | <a href="#">SYBT5</a>                                    |

|                       |   |
|-----------------------|---|
| <b>Battery option</b> | SYARMXR3B3I 1 4320 VAh<br>SYARMXR3B3I 2 6912 VAh<br>SYARMXR9B9I 1 9504 VAh<br>SYARMXR9B9I 2 17280 VAh<br>SYARMXR9B9I 3 25056 VAh<br>SYARMXR9B9I 4 32832 VAh<br>SYARMXR9B9I 5 40608 VAh<br>SYARMXR9B9I 6 48384 VAh |
|-----------------------|---|

|                         |   |
|-------------------------|---|
| <b>Extended runtime</b> | 1 |
|-------------------------|---|

## General

|                               |                       |
|-------------------------------|-----------------------|
| <b>Product web sub-family</b> | 4kVA power increments |
|-------------------------------|-----------------------|

|  |   |
|--|---|
| <b>Number of power module free slots</b> | 1 |
|--|---|

|  |   |
|--|---|
| <b>Number of power module filled slots</b> | 2 |
|--|---|

|                  |     |
|------------------|-----|
| <b>Redundant</b> | Yes |
|------------------|-----|

## Physical

|               |                 |
|---------------|-----------------|
| <b>Colour</b> | Black<br>Silver |
|---------------|-----------------|

|               |         |
|---------------|---------|
| <b>Height</b> | 57.2 cm |
|---------------|---------|

|              |         |
|--------------|---------|
| <b>Width</b> | 47.2 cm |
|--------------|---------|

|              |         |
|--------------|---------|
| <b>Depth</b> | 68.8 cm |
|--------------|---------|

|                   |           |
|-------------------|-----------|
| <b>Net weight</b> | 178.18 kg |
|-------------------|-----------|

|                          |       |
|--------------------------|-------|
| <b>Mounting location</b> | Front |
|--------------------------|-------|

|                            |       |
|----------------------------|-------|
| <b>Mounting preference</b> | Lower |
|----------------------------|-------|

|                      |              |
|----------------------|--------------|
| <b>Mounting mode</b> | Rack-mounted |
|----------------------|--------------|

|                           |   |
|---------------------------|---|
| <b>Two post mountable</b> | 0 |
|---------------------------|---|

|                       |    |
|-----------------------|----|
| <b>USB compatible</b> | No |
|-----------------------|----|

## Input

|                          |                         |
|--------------------------|-------------------------|
| <b>Network frequency</b> | 45...65 Hz auto-sensing |
|--------------------------|-------------------------|

|                                   |  |
|-----------------------------------|--|
| <b>Number of input connectors</b> | 1 hard wire 3-wire (1P + N + E)<br>1 hard wire 5-wire (3P + N + E) |
|-----------------------------------|--|

|                             |                                |
|-----------------------------|--------------------------------|
| <b>Input voltage limits</b> | 155...276 V<br>290...480 V 3:1 |
|-----------------------------|--------------------------------|

|                                  |                             |
|----------------------------------|-----------------------------|
| <b>Input harmonic distortion</b> | Less than 7 % for full load |
|----------------------------------|-----------------------------|

|  |      |
|--|------|
| <b>Input Power Factor at Full Load</b> | 0.98 |
|--|------|

## Output

|  |        |
|--|--------|
| <b>Maximum configurable power in W</b> | 5600 W |
|--|--------|

|                            |                            |
|----------------------------|----------------------------|
| <b>Harmonic distortion</b> | Less than 5 % at full load |
|----------------------------|----------------------------|

|                         |  |
|-------------------------|--|
| <b>Output frequency</b> | 47...63 Hz sync to mains<br>60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised<br>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised |
|-------------------------|--|

|                     |             |
|---------------------|-------------|
| <b>Crest factor</b> | Up to 5 : 1 |
|---------------------|-------------|

|                 |                          |
|-----------------|--------------------------|
| <b>UPS type</b> | Double conversion online |
|-----------------|--------------------------|

|                  |           |
|------------------|-----------|
| <b>Wave type</b> | Sine wave |
|------------------|-----------|

|                    |  |
|--------------------|--|
| <b>Bypass type</b> | Internal bypass (automatic and manual) |
|--------------------|--|

|                   |                  |
|-------------------|------------------|
| <b>Efficiency</b> | 90 % (full load) |
|-------------------|------------------|

|                                  |         |
|----------------------------------|---------|
| Maximum output current           | 36 A    |
| Maximum configurable power in VA | 8000 VA |

## Conformance

|                        |   |
|------------------------|---|
| Product certifications | C-Tick<br>CE<br>GOST<br>VDE   |
| Standards              | EN 50091-1<br>EN 50091-2<br>EN 55022 class A<br>EN 55024<br>EN 60950<br>IEC 60950 |

## Environmental

|                                       |                  |
|---------------------------------------|------------------|
| Ambient air temperature for operation | 0...40 °C        |
| Relative humidity                     | 0...95 %         |
| Operating altitude                    | 0...10000 ft     |
| Ambient air temperature for storage   | -15...45 °C      |
| Storage Relative Humidity             | 0...95 %         |
| Storage altitude                      | 0.00...4572.00 m |
| Acoustic level                        | 62 dBA           |
| Heat dissipation                      | 2762 Btu/h       |

## Communications & Management

|                     |   |
|---------------------|---|
| Free slots          | 1   |
| Preinstalled device | Network management card 2 with environmental monitoring |
| Control panel       | Multifunction LCD status and control console            |
| Alarm               | Audible and visible alarms : prioritized by severity    |
| Emergency power off | Yes   |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 78.7 cm   |
| Package 1 Width              | 59.9 cm   |
| Package 1 Length             | 99.7 cm   |
| Package 1 Weight             | 216.82 kg |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product                            |
| REACH Regulation           | <a href="#">REACH Declaration</a>                |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>                              |

---

|                                    |   |
|------------------------------------|---|
| <b>WEEE</b>                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>Optimized Energy Efficiency</b> | Energy efficient product  |
| <b>Take-back</b>                   | Take-back program available   |

---

### **Contractual warranty**

---

|                 |                           |
|-----------------|---------------------------|
| <b>Warranty</b> | 2 years repair or replace |
|-----------------|---------------------------|

### **Recommended replacement(s)**