

# Specifications

## Eaton 9PX6KG2-L

Eaton 9PX Gen 2 UPS, Lithium-ion battery, 6000VA, 5400W, Input: Hardwired or 10ft. L6-30P, Outputs: Hardwired, (2) L6-30R, (2) L6-20R, 3U Rack/tower, Gigabit Network card included

### General specifications

|                             |                                                                         |
|-----------------------------|-------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton 9PX UPS                                                           |
| <b>CATALOG NUMBER</b>       | 9PX6KG2-L                                                               |
| <b>UPC</b>                  | 786689972769                                                            |
| <b>PRODUCT LENGTH/DEPTH</b> | 26.93 in                                                                |
| <b>PRODUCT HEIGHT</b>       | 5.12 in                                                                 |
| <b>PRODUCT WIDTH</b>        | 17.32 in                                                                |
| <b>PRODUCT WEIGHT</b>       | 86.64 lb                                                                |
| <b>COMPLIANCES</b>          | CISPR22 Class A / FCC part 15 Class A<br>FCC Part 15<br>CE Marked       |
| <b>CERTIFICATIONS</b>       | cULus Listed<br>IEC 62040-2:2006 Cat C2<br>NOM<br>ENERGY STAR certified |
| <b>GLOBAL CATALOG</b>       | 9PX6KG2-L                                                               |
| <b>PRODUCT TYPE</b>         | UPS                                                                     |

## Battery

|                                    |                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BATTERY MANAGEMENT</b>          | On-board battery management system (BMS) monitors battery performance, lifecycle, and active temperature to provide advance notice when batteries need replacing |
| <b>BATTERY REPLACEMENT</b>         | Hot-swappable internal batteries and extended battery modules (EBMs). Replacement battery part # EBP-1806-L (qty 1 per UPS).                                     |
| <b>BATTERY TYPE</b>                | Lithium-ion                                                                                                                                                      |
| <b>BATTERY CHEMISTRY</b>           | Lithium Iron Phosphate (LiFePo4)                                                                                                                                 |
| <b>EXTENDED BATTERY CAPABILITY</b> | Add up to 10 EBMs, part # 9PXEBM192RTG2-L                                                                                                                        |
| <b>INTERNAL BATTERY DETAILS</b>    | 192V 6Ah 1152Wh                                                                                                                                                  |

## Electrical input

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>INPUT CONNECTION</b>      | L6-30P and hardwire input supported |
| <b>INPUT CORD LENGTH</b>     | 10 ft                               |
| <b>INPUT NOMINAL VOLTAGE</b> | 208V default (200/208/220/230/240V) |
| <b>INPUT FREQUENCY RANGE</b> | 60 Hz: 50–70 Hz, 50 Hz: 40–60 Hz    |
| <b>INPUT POWER FACTOR</b>    | >0.99 typical                       |

## Environmental

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| <b>ALTITUDE</b>          | 3000 m                                                                |
| <b>BTU RATING</b>        | Online: 767 BTU/hr, Battery: 1155 BTU/hr, High Efficiency: 205 BTU/hr |
| <b>NOISE LEVEL</b>       | <43 dB at 1 meter                                                     |
| <b>RELATIVE HUMIDITY</b> | 0-95% non-condensing                                                  |
| <b>TEMPERATURE RANGE</b> | 0° to 40°C (32° to 104°F)                                             |

## Electrical output

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>RECEPTACLE</b>              | (2) L6-20R, (2) L6-30R, Hardwired                                                                                         |
| <b>TOPOLOGY</b>                | Online/Double-conversion                                                                                                  |
| <b>WATTAGE</b>                 | 5400 W                                                                                                                    |
| <b>VA RATING</b>               | 6000 VA                                                                                                                   |
| <b>OUTPUT WAVEFORM</b>         | True sine wave                                                                                                            |
| <b>VOLTAGE</b>                 | 208 V                                                                                                                     |
| <b>OUTPUT POWER FACTOR</b>     | 0.9 (240V L6-30P), 1.0 (hardwired input)                                                                                  |
| <b>OUTPUT NOMINAL VOLTAGE</b>  | 208V default (200/208/220/230/240V)                                                                                       |
| <b>OUTPUT VOLTAGE RANGE</b>    | ±1% steady-state                                                                                                          |
| <b>OUTPUT FREQUENCY</b>        | 50/60 Hz                                                                                                                  |
| <b>OUTPUT CAPACITY DETAILS</b> | 6000VA / 6000W at 200-240V Output (hardwired UPS input)<br>6000VA / 5400W at 240V Output<br>5400VA / 4800W at 208V Output |

## Communications

|                               |                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------|
| <b>EXPANSION SLOTS</b>        | (1) Mini-Slot (MS) expansion port with Gigabit Network Card (NETWORK-M3) included |
| <b>ETHERNET INTERFACE</b>     | Yes                                                                               |
| <b>INCLUDES NETWORK CARD</b>  | Yes                                                                               |
| <b>SOFTWARE COMPATIBILITY</b> | Brightlayer Data Centers suite                                                    |
| <b>USER INTERFACE</b>         | Graphical display, 5-button programmable menu, LED indicator                      |

## Additional specifications

|                                |                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------|
| <b>RACK SIZE</b>               | 3U                                                                                      |
| <b>RACK MOUNTING KIT</b>       | Yes                                                                                     |
| <b>EFFICIENCY AT MAX. LOAD</b> | 96.5%                                                                                   |
| <b>PACKAGE CONTENTS</b>        | <ul style="list-style-type: none"><li>6000VA 5400W 208V 9PX G2 Online Double-</li></ul> |

## Warranty and support

### EXTENDED SERVICE PLANS

- 5-YEAR ON-SITE PLAN: WFLN75XX-11000UC
- - On-site parts and labor coverage for years 5
- - Parts, electronics and UPS batteries coverage
- - 24x7 on-site labor coverage, next-day response
- - Next-day shipping
- - Technical support

- Conversion Lithium-Ion UPS
- NETWORK-M3 Gigabit network card
- USB cable
- RS-232 cable
- Cable gland for hardwire connection
- Rack-mounting hardware
- Tower support stands
- Quick Start Guide

|                         |     |
|-------------------------|-----|
| <b>SURGE PROTECTION</b> | Yes |
|-------------------------|-----|

|                        |     |
|------------------------|-----|
| <b>INTERNAL BYPASS</b> | Yes |
|------------------------|-----|

|                                       |      |
|---------------------------------------|------|
| <b>UPS POWER MODULE WEIGHT (LBS.)</b> | 77.6 |
|---------------------------------------|------|

## Resources

### 3D MODELS

[Eaton 9PX G2 UPS 3D model 9PX6KG2-L](#)

### BROCHURES

[Eaton Lithium-ion battery benefits](#)

[Lithium-ion battery application note](#)

[BMS Brochure](#)

[9PX G2 6-11kVA Lithium-ion full brochure](#)

[Lithium-ion UPS total cost of ownership \(TCO\) calculator](#)

### DRAWINGS

[Eaton 9PX G2 lithium-ion UPS 9PX6KG2-L 2D drawing](#)

### FLYERS

[9PX G2 UPS 2-page flyer, VRLA \(3-11 kVA\) and lithium-ion \(6-11 kVA\)](#)

### MANUALS AND USER GUIDES

[9PX G2 6-11kVA Lithium-ion UPS MBP Advanced User Guide](#)

[9PX G2 PPDM and TF advanced user guide](#)

[9PX6KG2-L Quick Start Guide](#)

### TECHNICAL DATA SHEETS

[Eaton 9PX G2 Li-ion UPS 6kVA technical specifications](#)

|                 |                                                                     |
|-----------------|---------------------------------------------------------------------|
| WARRANTY GUIDES | <a href="#">Eaton 9PX lithium-ion UPS warranty</a>                  |
| WIRING DIAGRAMS | <a href="#">9PXG2 3-6k UPS with MBP6KIECG2 Interconnect diagram</a> |
|                 | <a href="#">9PXG2 3-6k UPS with 9PXTFMR5G2 Interconnect diagram</a> |
|                 | <a href="#">9PXG2 3-6k UPS with 9XPPDM2G2 Interconnect diagram</a>  |
|                 | <a href="#">9PXG2 3-6k UPS with MBP6K208G2 Interconnect diagram</a> |
|                 | <a href="#">9PXG2 3-6k UPS with 9XPPDM1G2 Interconnect diagram</a>  |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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