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## Eaton 9PX 6000VA 5400W 208V Online Double-Conversion UPS - L6-30P or Hardwired Input, 2 L6-20R, 2 L6-30R, Lithium-ion Battery, Cybersecure Network Card, Extended Run, 3U Rack/Tower

MODEL NUMBER: 9PX6K-L



Provides sine wave output, complete battery backup and power protection for mission-critical IT installations, edge networks and other advanced network applications.

### Features

#### 6kVA/5.4kW/208V Long-Term Battery Backup for IT Installations and Edge Networks

This 9PX rack-mount online double-conversion UPS system is an efficient “set it and forget it” solution, providing reliable, low-maintenance battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable IT equipment or destroy data. The 9PX6K-L is ideal power management for education, commercial, financial or healthcare networking components, including Cisco switches and servers.

#### Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages

The maintenance-free lithium-ion battery modules have a service life of 8 to 10 years, providing up to three times more runtime at full load than equivalent lead-acid batteries while weighing 20 percent less. These lithium iron phosphate (LFP) batteries allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. On-board battery management system (BMS) monitoring of battery performance, charge cycles and active temperature provides advance notice when batteries need replacing. You can also connect up to four lithium-ion extended battery modules (9PXEBM192RT-L, sold separately) to add necessary runtime.

#### Included Gigabit Network Interface Offers 24/7 Remote Access

The NETWORK-M2 Gigabit network card enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. UPS firmware can also be flashed remotely through the NETWORK-M2 without dropping the load, so you don’t have to plan for downtime. The card meets both UL 2900-1 and IEC 62443-4-2 standards for cybersecurity, which were developed to address the vulnerability of connected devices to known malware/exploits and to protect business from these risks. The optional Environmental Monitoring Probe Gen 2 (EMPDT1H1C2, sold separately) provides a variety of environmental monitoring capabilities, including temperature and humidity conditions.

#### NEMA Outlets Protect Your Connected Components

Two L6-20R and two L6-30R managed outlets provide connected equipment with pure sine wave AC output and allow you to monitor power consumption down to the outlet group level. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. The 9PX6K-L also supports hardwired output.

### Highlights

- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Improved lithium-ion batteries have lifespan up to 10 years – set it and forget it!
- Included NETWORK-M2 Gigabit network card enables full remote access and control
- Interactive LCD interface keeps you updated on critical load information in real time
- Optional extended battery modules allow expanded runtime to keep equipment powered

### Package Includes

- 6000VA 5400W 208V 9PX Online Double-Conversion UPS
- NETWORK-M2 Gigabit network card
- USB cable
- RS-232 cable
- Tower support stands
- Cable gland for hardwire connection
- Rack-mounting hardware
- Quick start guide



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#### Rotating LCD Interface Keeps You Informed at a Glance

The intuitive front-panel LCD provides control settings and critical information to help diagnose any issues. The interface rotates to accommodate both rack-mount and tower configurations, and it tilts up to 45 degrees for more comfortable viewing.

#### Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and USB ports connect to a serial-enabled device for a variety of communication options (cables are included). A dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components. The RPO/ROO connectors permit emergency shutdown or remote restart of all connected equipment.

#### Supports Transformer, Maintenance Bypass, and PowerPass Distribution Module Accessories

Add one of the optional 3U PowerPass Distribution Modules (9XPPDM1 or 9XPPDM2, sold separately) or a 3U Stepdown Transformer (9PXTFMR5, sold separately) for 120V output power and various outlet configurations. The optional Maintenance Bypass (MBP6K208, sold separately) requires no additional rack space and allows for safe and simple bypass of the UPS while system maintenance is performed.

#### Versatile Installation Options

You can mount the 9PX6K-L in just 3U of space in an EIA-standard 19-inch rack using the included 4-post rail kit or an optional 2-post rail kit (RK2PC, sold separately). You can also adapt it for tower installation using the included support stands. The 10-foot power cord with NEMA L6-30P plug connects to a compatible AC outlet. A cable gland is included for alternate hardwire input.

## Specifications

| OVERVIEW                           |                                             |
|------------------------------------|---------------------------------------------|
| UPC Code                           | 786689772598                                |
| UPS Type                           | On-Line                                     |
| INPUT                              |                                             |
| Input Phase                        | Single-Phase                                |
| Rated input current (Maximum Load) | 29A                                         |
| Nominal Input Voltage(s) Supported | 200V AC; 208V AC; 220V AC; 230V AC; 240V AC |
| UPS Input Connection Type          | Hardwire; L6-30P                            |
| Input Circuit Breakers             | 20A                                         |
| UPS Input Cord Length (ft.)        | 10                                          |
| UPS Input Cord Length (m)          | 3.1                                         |
| Plug Type                          | L6-30P                                      |
| OUTPUT                             |                                             |
| Output Capacity (VA)               | 6000                                        |
| Output Capacity (kVA)              | 6                                           |
| Output Capacity (Watts)            | 5400                                        |
| Output Capacity (kW)               | 5.4                                         |



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|                                              |                                                                                                                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Capacity Details                      | 5200VA / 4600W at 200V Output;<br>5400VA / 4800W at 208V Output;<br>5700VA / 5100W at 220V Output;<br>6000VA / 5300W at 230V Output;<br>6000VA / 5400W at 240V Output    |
| Power Factor                                 | 0.9                                                                                                                                                                      |
| Crest Factor                                 | 3:1                                                                                                                                                                      |
| Nominal Voltage Details                      | 200V, 208V, 220V, 230V, 240V                                                                                                                                             |
| Frequency Compatibility                      | 50 / 60 Hz                                                                                                                                                               |
| Output AC Waveform (AC Mode)                 | Pure Sine wave                                                                                                                                                           |
| Output AC Waveform (Battery Mode)            | Pure Sine wave                                                                                                                                                           |
| Nominal Output Voltage(s) Supported          | 200V; 208V; 220V; 230V; 240V                                                                                                                                             |
| Output Receptacles                           | Hardwire; (2) L6-30R; (2) L6-20R                                                                                                                                         |
| Individually Controllable Load Banks         | No                                                                                                                                                                       |
| <b>BATTERY</b>                               |                                                                                                                                                                          |
| Battery Type                                 | Lithium-ion (LiFePO4)                                                                                                                                                    |
| Runtime Full Load (min.)                     | 7.7 min. (5400W)                                                                                                                                                         |
| Runtime Half Load (min.)                     | 15.4 min. (2700W)                                                                                                                                                        |
| Expandable Runtime                           | Yes                                                                                                                                                                      |
| Expandable Runtime Description               | Add up to 4 extended battery modules (EBM). Part number <a href="https://tripplite.eaton.com/Eaton-9PX-External-Battery-Lithium-192V-2U-9PXEbm192RT-L">9PXEbm192RT-L</a> |
| DC System Voltage (VDC)                      | 192                                                                                                                                                                      |
| Battery Access                               | Battery access door                                                                                                                                                      |
| Internal UPS Replacement Battery Cartridge   | EBP-1801-L                                                                                                                                                               |
| Battery Replacement Description              | Hot-swappable, replaceable batteries                                                                                                                                     |
| Battery Management                           | Integrated battery management system (BMS) for temperature regulation and life cycle monitoring                                                                          |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                                                          |
| Front Panel LCD Display                      | LCD graphical display                                                                                                                                                    |
| Switches                                     | RPO / ROO                                                                                                                                                                |
| Alarm Cancel Operation                       | Press ESC to silence the alarm                                                                                                                                           |
| Audible Alarm                                | Audible alarm indicates utility failure, low-battery, overload, other UPS/Battery fault or remote shutdown conditions                                                    |
| LED Indicators                               | 4 status-indicating LEDs                                                                                                                                                 |
| <b>SURGE / NOISE SUPPRESSION</b>             |                                                                                                                                                                          |
| UPS AC Suppression Response Time             | 0 ms                                                                                                                                                                     |
| EMI / RFI AC Noise Suppression               | Yes                                                                                                                                                                      |



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| PHYSICAL                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary Form Factor                                           | Rackmount; Tower                                                                                                                                                                                                                                                                                                                                                                                                    |
| Rack Height                                                   | 3U                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cooling Method                                                | Fan                                                                                                                                                                                                                                                                                                                                                                                                                 |
| External Battery Pack Form Factor                             | Rack/Tower                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form Factors Supported                                        | Rack/Tower                                                                                                                                                                                                                                                                                                                                                                                                          |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount; Tower                                                                                                                                                                                                                                                                                                                                                                                     |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount (&nbsp;<a class="productLink" href="//tripplite.eaton.com/eaton-2-post-rack-mount-rail-kit-for-9px-ups~RK2PC">RK2PC</a>&nbsp;)                                                                                                                                                                                                                                                                     |
| Minimum Required Rack Depth (cm)                              | 76.20                                                                                                                                                                                                                                                                                                                                                                                                               |
| Minimum Required Rack Depth (inches)                          | 30                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Unit Dimensions (hwd / in.)                                   | 5.120 x 17.330 x 28.430                                                                                                                                                                                                                                                                                                                                                                                             |
| Unit Weight (lbs.)                                            | 81.200                                                                                                                                                                                                                                                                                                                                                                                                              |
| Unit Weight (kg)                                              | 36.83                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENVIRONMENTAL                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operating Temperature Range                                   | 32° to 104°F (0° to 40°C)                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage Temperature Range                                     | 5° to 140°F (-15° to 60°C)                                                                                                                                                                                                                                                                                                                                                                                          |
| Relative Humidity                                             | 0-95% non-condensing                                                                                                                                                                                                                                                                                                                                                                                                |
| AC Mode Efficiency Rating (100% Load)                         | 90                                                                                                                                                                                                                                                                                                                                                                                                                  |
| AC Economy Mode Efficiency Rating (100% Load)                 | 98                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Online Mode Heat Dissipation (BTU/Hr) @ Full Load             | 1233                                                                                                                                                                                                                                                                                                                                                                                                                |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load            | 1699                                                                                                                                                                                                                                                                                                                                                                                                                |
| COMMUNICATIONS                                                |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Network Management Cards                                      | &nbsp;<a class="productLink" href="//tripplite.eaton.com/eaton-secure-gigabit-network-card-for-ups-systems~NETWORK-M2">NETWORK-M2</a>&nbsp;; &nbsp;<a class="productLink" href="//tripplite.eaton.com/eaton-industrial-gateway-card-mini-slot-for-ups-systems~INDGW-M2">INDGW-M2</a>&nbsp;; &nbsp;<a class="productLink" href="//tripplite.eaton.com/eaton-relay-serial-interface-card~RELAY-MS">RELAY-MS</a>&nbsp; |
| Communications Interface                                      | Pre-installed network card; RS-232; USB                                                                                                                                                                                                                                                                                                                                                                             |
| FEATURES & SPECIFICATIONS                                     |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| High Availability UPS Features                                | Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Pure sine wave output; Remote management; Surge/noise protection; Zero transfer time                                                                                                                                                                                                                                                 |
| APPLICATIONS                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UPS Applications                                              | Mission Critical Applications                                                                                                                                                                                                                                                                                                                                                                                       |



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| CARTON FILES                            |                                                                     |
|-----------------------------------------|---------------------------------------------------------------------|
| Carton Notes                            | Pallet dims: 48in*40in*43in. (6/pallet)                             |
| STANDARDS & COMPLIANCE                  |                                                                     |
| Product Certifications                  | cUL Listed; NOM (Mexico); EN 62040-2; IEC 62040-2                   |
| Product Compliance                      | CE (Europe); ENERGY STAR Qualified; FCC Part 15 Class A (USA); RoHS |
| WARRANTY & SUPPORT                      |                                                                     |
| Product Warranty Period (U.S. & Canada) | 5-year limited warranty                                             |

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