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## 9PX G2 6000VA 5400W 208/120V Online Double-Conversion UPS - L6-30P Input, 6x 5-20R, 1x L6-30R, 1x L14-30R, Cybersecure Network Card, Extended Run, 6U Rack/Tower

MODEL NUMBER: 9PX6KP1G2



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/120V/208V Battery Backup for Distributed IT and Edge Networks

This 9PX G2 rack-mount online double-conversion UPS system provides reliable, low-maintenance battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage critical IT equipment or destroy data. The 9PX6KP1G2 is ideal power management for IT managers, data center managers, electrical contractors, integrators, specifying engineers and other end users in business, edge computing, education, government, healthcare, retail and other networking applications.

#### Delivers Maximum Power Reliability with Best-in-Class Efficiency

The 9PX6KP1G2 maximizes usable output power and allows you to support more devices, including servers, PoE switches and other networking equipment. The most efficient UPS system in its class, the 9PX6KP1G2 complies with the latest ENERGY STAR standards to reduce greenhouse gas emissions and to save you money on energy and cooling costs.

#### Expandable Internal Battery Backup Keeps You Operational Through Power Outages

Exclusive ABM+ technology improves predictive battery replacement analytics to better pinpoint when you should replace UPS batteries. By adding this predictive algorithm, you can determine the expected battery failure date based on real-life usage and conditions. This prevents unexpected downtime caused by waiting too long and unnecessary expense caused by replacing too soon. ABM+ also optimizes charging to increase battery lifespan up to 50%. You can connect up to 12 extended battery modules (9PXEBM180RTG2, sold separately) to add necessary runtime during prolonged power outages.

#### Included Distribution Module Helps Accommodate a Range of Connected Equipment

The 9PXPPDM1G2 PowerPass Distribution Module permits step-down voltage from 208V to 120V to allow the connection of a variety of IT components. It also features a maintenance bypass, which lets you service or replace the UPS power module without powering down any connected equipment.

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

The NETWORK-M3 cybersecure network management card enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. UPS firmware can also be upgraded remotely through the NETWORK-M3 without dropping the load, so you

### Highlights

- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Best-in-class efficiency results in reduced energy costs and greenhouse gas emissions
- Included NETWORK-M3 Gigabit network card enables full remote access and control
- Exclusive ABM+ technology and analytics help you pinpoint when to replace batteries
- Optional extended battery modules allow extra runtime to keep equipment powered

### Package Includes

- 6000VA 5400W 120/208V 9PX G2 Online Double-Conversion UPS
- 9PXPPDM1G2 PowerPass Distribution Module with Maintenance Bypass
- NETWORK-M3 Gigabit network card
- USB cable
- RS-232 cable
- Rack-mounting hardware
- Tower support stands
- Quick Start Guide



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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.

#### High-Visibility LCD Interface Keeps You Informed at a Glance

The high-contrast color LCD provides control settings and critical information to help diagnose any issues. A large color LED bar makes it easy to diagnose UPS status from a distance and quickly locate units that require attention. The interface rotates to accommodate both rack-mount and tower configurations, and it tilts up to 45 degrees for more comfortable viewing.

#### Versatile Installation Options

You can mount the 9PX6KP1G2 in 6U of space in an EIA-standard 19-inch rack using the included 4-post rail kit. You can also adapt it for tower installation. The 10-foot power cord with NEMA L6-30P plug connects to a compatible AC outlet.

## Specifications

| OVERVIEW                           |                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------|
| UPC Code                           | 037332294302                                                                                     |
| UPS Type                           | On-Line                                                                                          |
| INPUT                              |                                                                                                  |
| Input Phase                        | Single-Phase                                                                                     |
| Rated input current (Maximum Load) | 24.4A                                                                                            |
| Nominal Input Voltage(s) Supported | 200V AC; 208V AC; 220V AC; 230V AC; 240V AC                                                      |
| UPS Input Connection Type          | L6-30P                                                                                           |
| UPS Input Cord Length (ft.)        | 10                                                                                               |
| UPS Input Cord Length (m)          | 3.1                                                                                              |
| Input Plug Type                    | NEMA L6-30P                                                                                      |
| OUTPUT                             |                                                                                                  |
| Output Capacity (VA)               | 6000                                                                                             |
| Output Capacity (kVA)              | 6                                                                                                |
| Output Capacity (Watts)            | 5400                                                                                             |
| Output Capacity (kW)               | 5.4                                                                                              |
| Output Capacity Details            | 240V: 5400 watts<br>230V: 5300 watts<br>220V: 5100 watts<br>208V: 4800 watts<br>200V: 4600 watts |
| Power Factor                       | 0.9                                                                                              |
| Crest Factor                       | 3:1                                                                                              |
| Nominal Voltage Details            | 100V, 110V, 120V, 200V, 208V, 220V, 230V, 240V                                                   |
| Frequency Compatibility            | 50 / 60 Hz                                                                                       |



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|                                              |                                                                                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output AC Waveform (Battery Mode)            | Pure Sine wave                                                                                                                                                                     |
| Nominal Output Voltage(s) Supported          | 120V; 208V; 240V; 200V; 220V; 230V                                                                                                                                                 |
| Output Receptacles                           | (6) 5-20R; (1) L6-30R; (1) L14-30R                                                                                                                                                 |
| Individually Controllable Load Banks         | No                                                                                                                                                                                 |
| <b>BATTERY</b>                               |                                                                                                                                                                                    |
| Battery Type                                 | Valve Regulated Lead Acid (VRLA)                                                                                                                                                   |
| Runtime Full Load (min.)                     | 3 min. (5400W)                                                                                                                                                                     |
| Runtime Half Load (min.)                     | 8.3 min. (2700W)                                                                                                                                                                   |
| Expandable Runtime                           | Yes                                                                                                                                                                                |
| Expandable Runtime Description               | Add up to 12 extended battery modules (EBM). Part number <a href="https://tripplite.eaton.com/eaton-9pxg2-external-battery-for-select-ups-180v-3u-9PXEBM180RTG2">9PXEBM180RTG2</a> |
| DC System Voltage (VDC)                      | 180                                                                                                                                                                                |
| Battery Recharge Rate (Included Batteries)   | Batteries recharge to 90% capacity in less than 3 hours                                                                                                                            |
| Battery Access                               | Battery access door                                                                                                                                                                |
| Internal UPS Replacement Battery Cartridge   | EBP-1805                                                                                                                                                                           |
| Battery Replacement Description              | Hot-swappable, user replaceable batteries. UPS requires 1 Replacement Battery Cartridge.                                                                                           |
| Battery Management                           | ABM+ technology (predictive battery replacement analytics to pinpoint when you should replace UPS batteries. 3-stage charging extends battery service life by 50%.)                |
| <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                               | LED status bar                                                                                                                                                                     |
| <b>SURGE / NOISE SUPPRESSION</b>             |                                                                                                                                                                                    |
| UPS AC Suppression Response Time             | 0 ms                                                                                                                                                                               |
| EMI / RFI AC Noise Suppression               | Yes                                                                                                                                                                                |
| AC Suppression Response Time                 | 0 ms                                                                                                                                                                               |
| <b>PHYSICAL</b>                              |                                                                                                                                                                                    |
| Primary Form Factor                          | Rackmount; Tower                                                                                                                                                                   |
| Rack Height                                  | 6U                                                                                                                                                                                 |
| Cooling Method                               | Fan                                                                                                                                                                                |



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|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount; Tower                                                                                                                                                                                                                                         |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount ( <a href="//tripplite.eaton.com/eaton-2-post-rack-mount-rail-kit-for-9px-ups-RK2PC">RK2PC</a> )                                                                                                                                                       |
| Minimum Required Rack Depth (cm)                              | 81.28                                                                                                                                                                                                                                                                   |
| Minimum Required Rack Depth (inches)                          | 32                                                                                                                                                                                                                                                                      |
| UPS Power Module Weight (kg)                                  | 44.59                                                                                                                                                                                                                                                                   |
| UPS Power Module Weight (lbs.)                                | 98.3                                                                                                                                                                                                                                                                    |
| Unit Dimensions (hwd / in.)                                   | 10.200 x 17.300 x 27.000                                                                                                                                                                                                                                                |
| Unit Weight (lbs.)                                            | 203                                                                                                                                                                                                                                                                     |
| Unit Weight (kg)                                              | 92.08                                                                                                                                                                                                                                                                   |
| <b>ENVIRONMENTAL</b>                                          |                                                                                                                                                                                                                                                                         |
| Operating Temperature Range                                   | 32° to 104°F (0° to 40°C)                                                                                                                                                                                                                                               |
| Relative Humidity                                             | 0-95% non-condensing                                                                                                                                                                                                                                                    |
| AC Mode Efficiency Rating (100% Load)                         | 96                                                                                                                                                                                                                                                                      |
| AC Economy Mode Efficiency Rating (100% Load)                 | 98.9                                                                                                                                                                                                                                                                    |
| Online Mode Heat Dissipation (BTU/Hr) @ Full Load             | 767                                                                                                                                                                                                                                                                     |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load            | 1155                                                                                                                                                                                                                                                                    |
| <b>COMMUNICATIONS</b>                                         |                                                                                                                                                                                                                                                                         |
| Network Management Cards                                      | <a href="//tripplite.eaton.com/eaton-industrial-gateway-card-mini-slot-for-ups-systems-INDGW-M2">INDGW-M2</a> ; <a href="//tripplite.eaton.com/eaton-relay-serial-interface-card-RELAY-MS">RELAY-MS</a> ; <a href="//tripplite.eaton.com/sku-Network-M3">Network-M3</a> |
| Communications Interface                                      | Pre-installed network card; RS-232; USB                                                                                                                                                                                                                                 |
| <b>FEATURES &amp; SPECIFICATIONS</b>                          |                                                                                                                                                                                                                                                                         |
| High Availability UPS Features                                | Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Pure sine wave output; Remote management; Surge/noise protection                                                                                                                         |
| <b>APPLICATIONS</b>                                           |                                                                                                                                                                                                                                                                         |
| UPS Applications                                              | Mission Critical Applications                                                                                                                                                                                                                                           |
| <b>STANDARDS &amp; COMPLIANCE</b>                             |                                                                                                                                                                                                                                                                         |
| Product Certifications                                        | NOM (Mexico); cUL Listed; EN 62040-2                                                                                                                                                                                                                                    |
| Product Compliance                                            | FCC Part 15 Class A (USA); CE (Europe); FCC (USA); ENERGY STAR Qualified; RoHS                                                                                                                                                                                          |
| <b>WARRANTY &amp; SUPPORT</b>                                 |                                                                                                                                                                                                                                                                         |



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|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Warranty Period (U.S. & Canada) | 3-year limited warranty                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Extended Service Plans                  | <b>ADVANCED DEPOT EXCHANGE</b> Service Part Number: 9SW5Y-6000UCExpedited parts coverage for 5 yearsParts, electronics and UPS batteries coverageNext business day shippingTechnical support <b>5-YEAR ON-SITE PLAN (US ONLY)</b> Service Part Number: WFLN75XX-6009UCOn-site parts and labor coverage for years 5Parts, electronics and UPS batteries coverage24x7 on-site labor coverage, next-day responseNext-day shippingTechnical support |

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