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## Eaton 9PX 11kVA 10kW 208V Online Double-Conversion UPS - Hardwired Input, 8x 5-20R, 2 L14-30R, 3 L6-30R Hardwired Outlets, Cybersecure Network Card, Extended Run, 9U

MODEL NUMBER: 9PX11KTF11M



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

### Features

#### 11kVA/10kW/208V Battery Backup for IT Installations and Edge Networks

This 9PX rack-mount online double-conversion UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable IT equipment or destroy data. An included transformer permits a step-down voltage from 208V to 120V to allow connection of a wider range of components. The 9PX11KTF11M is superlative power management for education, commercial, financial or healthcare networking components, including Cisco switches and servers.

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

Valve regulated lead acid (VRLA) battery modules 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. Exclusive ABM technology increases battery life by 50 percent and closely monitors battery health to provide advanced notice when batteries need replacing. You can connect up to five extended battery modules (9PXEBM240RT, sold separately) for hours of extended runtime or up to 12 EBMs with the optional 3U rack-mount 240VDC supercharger (SC240RT, sold separately). The included 9PX maintenance bypass (MBP11K208) lets you service or replace the entire UPS without powering down connected equipment.

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

The NETWORK-M3 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-M3 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 L14-30R, three L6-30R and eight 5-20R 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

### Highlights

- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Included NETWORK-M3 Gigabit network card enables full remote access and control
- Exclusive ABM technology with 3-stage charging increases internal battery life by 50%
- Interactive LCD interface keeps you updated on critical load information in real time
- Optional extended battery modules allow extended runtime to keep equipment powered

### Package Includes

- 9PX11KPM 9PX 3U UPS power module
- 9PXEBM240RT 3U extended battery module
- MBP11K208 3U 9PX maintenance bypass
- 9PXTFMR11 120V stepdown transformer
- NETWORK-M3 Gigabit network card
- USB cable
- RS-232 cable
- Cable gland for hardwire connection
- Phillips-head screwdriver
- Rack-mounting hardware (3x 9RK)
- Owner's manuals



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noise. The 9PX11KTF11M also supports hardwired output.

#### 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.

#### Versatile Installation Options

You can mount the 9PX11KTF11M in a tower configuration on a flat, stable surface or in 9U of space in an EIA-standard 19-inch rack using the included 4-post rail kit. A cable gland and Phillips screwdriver are included for hardwire input.

## Specifications

| OVERVIEW                           |                                                      |
|------------------------------------|------------------------------------------------------|
| UPC Code                           | 743172082091                                         |
| UPS Type                           | On-Line                                              |
| INPUT                              |                                                      |
| Input Phase                        | Single-Phase                                         |
| Rated input current (Maximum Load) | 45.5A                                                |
| Nominal Input Voltage(s) Supported | 200V AC; 208V AC; 220V AC; 230V AC; 240V AC          |
| UPS Input Connection Type          | Hardwire                                             |
| Input Circuit Breakers             | Recommended 70A upstream                             |
| Maximum Input Amps                 | 46                                                   |
| Input Plug Type                    | Hard-wire                                            |
| OUTPUT                             |                                                      |
| Output Capacity (VA)               | 11000                                                |
| Output Capacity (kVA)              | 11                                                   |
| Output Capacity (Watts)            | 10000                                                |
| Output Capacity (kW)               | 10                                                   |
| Power Factor                       | 0.91                                                 |
| Crest Factor                       | 3:1                                                  |
| Nominal Voltage Details            | 100V, 110V, 120V, 200V, 208V, 220V, 230V, 240V, 250V |
| Frequency Compatibility            | 50 / 60 Hz                                           |
| Output AC Waveform (Battery Mode)  | Pure Sine wave                                       |



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|                                                               |                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Output Voltage(s) Supported                           | 120V; 200V; 208V; 220V; 230V; 240V; 250V                                                                                                                                                                                                                                                                                               |
| Output Receptacles                                            | (8) 5-20R; (3) L6-30R; (2) L14-30R; Hardwire                                                                                                                                                                                                                                                                                           |
| Individually Controllable Load Banks                          | Yes                                                                                                                                                                                                                                                                                                                                    |
| <b>BATTERY</b>                                                |                                                                                                                                                                                                                                                                                                                                        |
| Battery Type                                                  | Valve Regulated Lead Acid (VRLA)                                                                                                                                                                                                                                                                                                       |
| Runtime Full Load (min.)                                      | 3 min. (10000W)                                                                                                                                                                                                                                                                                                                        |
| Runtime Half Load (min.)                                      | 10 min. (5000W)                                                                                                                                                                                                                                                                                                                        |
| Expandable Runtime                                            | Yes                                                                                                                                                                                                                                                                                                                                    |
| Expandable Runtime Description                                | Add up to 5 extended battery modules (EBM). Part number <a href="https://tripplite.eaton.com/eaton-9px-external-battery-208v-3u-9PXEbm240RT">9PXEbm240RT</a> . Add up to 12 EBMs with 240V supercharger module <a href="https://tripplite.eaton.com/eaton-supercharger-240vdc-for-9px/9sx-8kva-and-11kva-ups-3u-SC240RT">SC240RT</a> . |
| DC System Voltage (VDC)                                       | 240                                                                                                                                                                                                                                                                                                                                    |
| Battery Access                                                | Battery access door                                                                                                                                                                                                                                                                                                                    |
| Internal UPS Replacement Battery Cartridge                    | <a href="https://tripplite.eaton.com/replacement-battery-for-eaton-9px-8kva-11kva-ups-ebm-744-A1976">744-A1976</a>                                                                                                                                                                                                                     |
| Battery Replacement Description                               | Hot-swappable, user replaceable batteries. UPS requires 2 Replacement Battery Cartridges.                                                                                                                                                                                                                                              |
| Battery Management                                            | ABM technology (3-stage charging extends battery service life by 50% and provides advance warning for battery replacement)                                                                                                                                                                                                             |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>                  |                                                                                                                                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                  |
| <b>SURGE / NOISE SUPPRESSION</b>                              |                                                                                                                                                                                                                                                                                                                                        |
| EMI / RFI AC Noise Suppression                                | Yes                                                                                                                                                                                                                                                                                                                                    |
| AC Suppression Response Time                                  | 0 ms                                                                                                                                                                                                                                                                                                                                   |
| <b>PHYSICAL</b>                                               |                                                                                                                                                                                                                                                                                                                                        |
| Primary Form Factor                                           | Rackmount; Tower                                                                                                                                                                                                                                                                                                                       |
| Rack Height                                                   | 9U                                                                                                                                                                                                                                                                                                                                     |
| Cooling Method                                                | Fan                                                                                                                                                                                                                                                                                                                                    |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount                                                                                                                                                                                                                                                                                                               |
| Minimum Required Rack Depth (cm)                              | 83.82                                                                                                                                                                                                                                                                                                                                  |
| Minimum Required Rack Depth (inches)                          | 33                                                                                                                                                                                                                                                                                                                                     |
| UPS Power Module Weight (kg)                                  | 28.12                                                                                                                                                                                                                                                                                                                                  |
| UPS Power Module Weight (lbs.)                                | 62                                                                                                                                                                                                                                                                                                                                     |



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|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Dimensions (hwd / in.)                        | 15.300 x 17.300 x 30.000                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Unit Weight (lbs.)                                 | 392.000                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Unit Weight (kg)                                   | 177.81                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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)              | 95                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| AC Economy Mode Efficiency Rating (100% Load)      | 98                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Online Mode Heat Dissipation (BTU/Hr) @ Full Load  | 1920                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 2900                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COMMUNICATIONS</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Network Management Cards                           | &nbsp;<a class="productLink" href="//tripplite.eaton.com/eaton-industrial-gateway-card-mini-slot-for-ups-systems~INDGW-M2">INDGW-M2</a>&nbsp;<a class="productLink" href="//tripplite.eaton.com/eaton-relay-serial-interface-card~RELAY-MS">RELAY-MS</a>&nbsp;<a class="productLink" href="//tripplite.eaton.com/sku~Network-M3">Network-M3</a>&nbsp;                                                                                                |
| Communications Interface                           | Pre-installed network card; RS-232; USB                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>APPLICATIONS</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UPS Applications                                   | Mission Critical Applications                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>STANDARDS &amp; COMPLIANCE</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product Certifications                             | cUL Listed; NOM (Mexico)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Compliance                                 | FCC Part 15 Class A (USA); FCC (USA); ENERGY STAR Qualified; RoHS                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>WARRANTY &amp; SUPPORT</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product Warranty Period (U.S. & Canada)            | 3-year limited warranty                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Extended Service Plans                             | <b>ADVANCED DEPOT EXCHANGE</b> Service Part Number: 9SW5Y-11000UCExpedited parts coverage for 5 yearsParts, electronics and UPS batteries coverageNext business day shippingTechnical support<br><b>5-YEAR ON-SITE PLAN (US ONLY)</b> Service Part Number: WFLN75XX-11000UCOn-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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