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## 93PX 7500VA 7500W 208V 3-Phase Online Double-Conversion UPS - L21-30P Input, 2x L21-30R Output, Maintenance Bypass, Cybersecure Network Card, Extended Run, 9U

MODEL NUMBER: 93PX8K



Provides sine wave output, complete battery backup and power protection for mission-critical edge and data center applications.

### Features

#### 7.5kVA/7.5kW/208V 3-Phase UPS for Edge and Data Center Applications

This 93PX rack-mount UPS provides reliable AC power protection against blackouts, brownouts, surges and line noise that can damage valuable IT equipment or destroy data. The 93PX8K UPS is superlative power management for education, commercial, financial or healthcare networking components.

#### High-Density IT Infrastructure

The 93PX8K UPS provides up to 7500 watts of critical backup power for your critical applications. Its small rack footprint and high power density save valuable data center white space. An intuitive 3.5-inch (89-millimeter) color touchscreen LCD control panel provides control settings and critical information to help diagnose any issues and monitor/control power in distributed and edge deployments. This UPS provides up to 97 percent efficiency in ECO mode to reduce energy consumption and operating costs.

#### Market-Leading Cybersecurity Ensures Your Network Is Kept Safe

Chain-of-trust encryption and secure firmware boot capability prevent the 93PX8K from being a cyberattack vulnerability point on a network. Enhanced management and cybersecurity features include zero-trust architecture, zero-touch provisioning and a user-configurable firewall.

#### Compatible with Brightlayer Data Centers Suite Software

The 93PX8K integrates smoothly via SNMP with digital solutions from Eaton's Brightlayer Data Centers suite. This includes Distributed IT Performance Management (DITPM) and Data Center Performance Management (DCPM) software. DITPM allows you to manage and control assets installed at your remote locations, as well as proactively identify and automate actions to prevent IT equipment downtime. DCPM monitors and manages your power, space, connectivity and cooling resources across one or more facilities while charting trends, sending alerts and generating reports.

#### Ready for Virtualization, HCI and Generative AI

Brightlayer software provides simple yet powerful fleet management. You can remotely manage UPS systems in diverse IT environments across multiple distributed sites from one location, maintain uptime and improve operational efficiency. Brightlayer also enables intelligent coordination with virtualized, hyperconverged and generative AI infrastructure, including complex orchestrations during blackouts and other power events to extend runtime and preserve data.

### Highlights

- Innovative quick-connect design for easy plug-and-play deployment and service
- Corded AC input and output for convenient utility power and PDU connections
- Unity power factor (1.0) and high power density to save data center white space
- Cybersecure network card enables full remote access and control 24/7
- Maintenance bypass keeps equipment operational during UPS service or replacement

### Package Includes

- 93PX8KPM 3U power module
- NETWORK-M3 Gigabit network card
- 93PXEBM240 3U extended battery module
- 93PXMBP8K 3U maintenance bypass panel
- Rack-mounting hardware
- Assorted cabling
- User documentation



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

The field-replaceable, hot-swappable 93PXEBM240 extended battery module allows you to work through power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. You can connect up to five 93PXEBM240 battery modules for extended runtime.

#### Included Gigabit Network Card Offers 24/7 Remote Access and Cybersecurity

The NETWORK-M3 cybersecure network management card enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. 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.

#### Included Maintenance Bypass For Critical Equipment

The included maintenance bypass lets you service or replace the UPS power module without powering down any connected equipment. Two NEMA L21-30R outlets with two-foot cords connect directly to rack PDU input cords.

#### 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). The EPO connector permits emergency shutdown of all connected equipment.

#### Innovative Quick-Connect Design for Easy Plug-and-Play Deployment and Service

Interconnections between the UPS power module, the maintenance bypass panel and the extended battery module provide easy plug-and-play setup and serviceability. You can mount all UPS modules in an EIA-standard 19-inch rack using the included hardware, and connect the modules together using the included cables.

## Specifications

| OVERVIEW                           |                        |
|------------------------------------|------------------------|
| UPC Code                           | 037332285645           |
| Nominal Voltage / Frequency        | 208V/60Hz              |
| VA / Watt Capacity                 | 8000                   |
| UPS Type                           | On-Line                |
| INPUT                              |                        |
| Input Phase                        | 3-Phase                |
| Rated input current (Maximum Load) | 24 A                   |
| Nominal Input Voltage(s) Supported | 120/208V 3-PH Wye      |
| Nominal Input Voltage Description  | 3-PHASE 208V WYE       |
| UPS Input Connection Type          | L21-30P                |
| Input Circuit Breakers             | via the MBP, 40A       |
| Input Connection Type              | 10ft cord with L21-30P |
| Input Frequency                    | 60Hz                   |
| Power Factor (Input)               | 1                      |
| THDi                               | < 4%                   |
| OUTPUT                             |                        |



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|                                                               |                                                                                                     |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Output Capacity (VA)                                          | 7500                                                                                                |
| Output Capacity (kVA)                                         | 7.5                                                                                                 |
| Output Capacity (Watts)                                       | 7500                                                                                                |
| Output Capacity (kW)                                          | 7.5                                                                                                 |
| Power Factor                                                  | 1                                                                                                   |
| Crest Factor                                                  | 3:1                                                                                                 |
| Frequency Compatibility Details                               | 50/60Hz $\pm$ 4Hz                                                                                   |
| Output Voltage Regulation (Line Mode)                         | $\pm$ 1%                                                                                            |
| Output Receptacle Details                                     | 2 x L21-30R                                                                                         |
| Output AC Waveform (AC Mode)                                  | Pure Sine Wave                                                                                      |
| Output AC Waveform (Battery Mode)                             | Pure Sine wave                                                                                      |
| Nominal Output Voltage(s) Supported                           | 120/208V 3-PH Wye                                                                                   |
| Output Receptacles                                            | L21-30R                                                                                             |
| Individually Controllable Load Banks                          | No                                                                                                  |
| <b>BATTERY</b>                                                |                                                                                                     |
| Expandable Runtime                                            | Yes                                                                                                 |
| Expandable Battery Runtime                                    | YES, UP TO 5 EBM                                                                                    |
| Expandable Runtime Description                                | EXPANDABLE RUNTIME DEPENDS ON THE NUMBER OF ADDITIONAL EBM ADDED AND UP TO 5 EBM.                   |
| DC System Voltage (VDC)                                       | $\pm$ 120 Vdc                                                                                       |
| Battery Recharge Rate (Included Batteries)                    | 2A FOR BASE MODEL WITH ONE EBM, AND INCREASES BY 2A FOR EVERY ADDITIONAL EBM UP TO 5 X EBM FOR 10A. |
| Replacement Battery Cartridge                                 | NO, THE COMPLETE EBM NEEDS TO BE REPLACED                                                           |
| Battery Replacement Description                               | TO REPLACE THE COMPLETE EBMS THE UPS MUST BE PUT IN MANUAL BYPASS MODE                              |
| Typical Battery Lifespan                                      | BETWEEN 3.5YRS AND UPT 6YEARS DEPENDING ON THE MAINTENANCE AND ENVIRONMENTAL TEMPERATURE            |
| <b>PHYSICAL</b>                                               |                                                                                                     |
| Primary Form Factor                                           | Rackmount                                                                                           |
| Cooling Method                                                | Fans                                                                                                |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount                                                                            |
| Unit Dimensions (hwd / in.)                                   | 15.430 x 17.240 x 32.140                                                                            |
| <b>ENVIRONMENTAL</b>                                          |                                                                                                     |
| Audible Noise                                                 | <58 dB                                                                                              |
| Operating Temperature                                         | 32° to 104°F (0° to 40°C)                                                                           |



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| WARRANTY & SUPPORT                  |                                       |
|-------------------------------------|---------------------------------------|
| Product Warranty Period (Worldwide) | 2-year limited warranty               |
| 3-Phase Warranty Statement          | 2-Year warranty covers USA and Canada |

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