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93PX 15000VA 15000W N+1 400V 3-Phase Online Double-Conversion UPS - Hardwired Input/Output, Maintenance Bypass, Cybersecure Network Cards, Extended Run, 21U

MODEL NUMBER: 93PX15KHWNPAR



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

Features

15kVA/15kW/400V 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 93PX15KHWNPAR UPS is superlative power management for education, commercial, industrial, financial or healthcare networking components.

High-Density IT Infrastructure

The 93PX15KHWNPAR UPS provides up to 15,000 watts of critical backup power for your critical applications. Its small rack footprint and high power density save valuable data center white space. Intuitive 4.3-inch (109-millimeter) touchscreen LCD control panels provide control settings and critical information to help diagnose any issues and monitor/control power in distributed and edge deployments. This UPS provides up to 98.6 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 93PX15KHWNPAR 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 93PX15KHWNPAR 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,

Highlights

- Innovative quick-connect design for easy plug-and-play deployment and service
- Up to 98.6% energy efficiency in ECO mode to save energy and operating costs
- Unity power factor (1.0) and high power density to save data center white space
- Cybersecure network cards enable full remote access and control 24/7
- Parallel maintenance bypass panel enables N+1 redundancy to maintain uptime

Package Includes

- (2) 93PX15KIPMB 3U power modules
- (2) NETWORK-M3 Gigabit network cards
- (2) 93PX2EBM480U 6U extended battery modules
- MBP20KIUPARA 3U parallel maintenance bypass panel
- Rack-mounting hardware
- Assorted cabling
- User documentation



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hyperconverged and generative AI infrastructure, including complex orchestrations during blackouts and other power events to extend runtime and preserve data.

Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable extended battery modules allow 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 four 93PX2EBM480U battery modules for extended runtime.

Included Gigabit Network Cards Offers 24/7 Remote Access and Cybersecurity

The NETWORK-M3 cybersecure network management cards enable full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. The cards meet 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 parallel maintenance bypass panel lets you service or replace the UPS power modules without powering down any connected equipment. It also enables N+1 redundancy or double capacity to increase fault tolerance and help maintain constant uptime. Input and output are hardwired.

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 modules, parallel maintenance bypass panel and extended battery modules 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	037332295903
Nominal Voltage / Frequency	208V/60Hz
VA / Watt Capacity	13000
UPS Type	On-Line
INPUT	
Input Phase	3-Phase
Rated input current (Maximum Load)	48A
Nominal Input Voltage(s) Supported	230/400V 3-PH Wye
Nominal Input Voltage Description	3-PHASE 400V WYE
UPS Input Connection Type	Hardwire
Input Circuit Breakers	via the MBP, 80A
Input Connection Type	Hardwire
Input Frequency	60Hz
THDi	< 4% full load



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OUTPUT	
Output Capacity (VA)	15000
Output Capacity (kVA)	15
Output Capacity (Watts)	30000
Output Capacity (kW)	30
Output Capacity Details	N+1 Parallel for capacity up to 30kVA
Power Factor	1
Crest Factor	3:1
Frequency Compatibility Details	50/60Hz $\pm$ 4Hz
Output Voltage Regulation (Line Mode)	$\pm$ 1%
Output AC Waveform (AC Mode)	Pure Sine Wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	230/400V 3-PH Wye
Output Receptacles	Hardwire
BATTERY	
Expandable Battery Runtime	YES, UP TO 5 EBM PER POWER MODULE
Expandable Runtime Description	EXPANDABLE RUNTIME DEPENDS ON THE NUMBER OF ADDITIONAL EBM ADDED AND UP TO 5 EBM PER POWER MODULE
DC System Voltage (VDC)	$\pm$ 240 Vdc
Battery Recharge Rate (Included Batteries)	4A FOR BASE MODEL WITH TWO EBMs, AND INCREASES BY 4A FOR EVERY ADDITIONAL TWO EBM UP TO 5 X EBM FOR 10
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
PHYSICAL	
Primary Form Factor	Rackmount
Cooling Method	Fans
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Unit Dimensions (hwd / in.)	35.560 x 17.240 x 28.100
Unit Weight (lbs.)	392
Unit Weight (kg)	177.81
ENVIRONMENTAL	



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Audible Noise	< 65 dB
Operating Temperature	32° to 104°F (0° to 40°C)

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