

# Eaton 9PX 10kVA 9kW 120/208V Split-Phase Online Double-Conversion UPS - Hardwired Input, 1 L6-30R, 2 L14-30R, Hardwired Output, Cybersecure Network Card, Extended Run, 6U

MODEL NUMBER: **9PX10KSP**



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

## Features

### 10kVA/9kW Battery Backup for IT Installations and Edge Networks

This 9PX split-phase online double-conversion UPS system delivers both 120V and 208V output without the expense or extra weight of a bulky transformer or distribution module. The 9PX10KSP fits into 6U of rack space and provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable IT equipment or destroy data. The 9PX10KSP is superlative power management for education, commercial, financial or healthcare networking components, including Cisco switches and servers.

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

The field-replaceable, hot-swappable 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 also connect up to four extended battery modules (9PXEBM360SP, sold separately) for hours of extended 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

One L6-30R and two L14-30R 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 9PX10KSP also supports hardwired output.

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

## Highlights

- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Included NETWORK-M2 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

- 10kVA 9kW 120V/208V 9PX Online Double-Conversion UPS with 3 Outlets
- NETWORK-M2 Gigabit network card
- (2) Internal battery modules
- USB cable
- RS-232 cable
- Cable gland for hardwire connection
- Phillips-head screwdriver
- Rack-mounting hardware
- Owner's manual



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The 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 connections permit emergency shutdown or remote restart of all connected equipment.

#### **Versatile Installation Options**

You can mount the split-phase 9PX10KSP in a tower configuration on a flat, stable surface or in 6U 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**

<b>OVERVIEW</b>	
UPC Code	743172040350
UPS Type	On-Line
<b>INPUT</b>	
Input Phase	Single-Phase
Rated input current (Maximum Load)	46A
Nominal Input Voltage(s) Supported	120/208V (Split phase L1,L2,N,G); 120/240V (Split phase L1,L2,N,G)
UPS Input Connection Type	Hardwire
Input Circuit Breakers	Recommended 60A upstream
Maximum Input Amps	46
Input Plug Type	Hard-wire
<b>OUTPUT</b>	
Output Capacity (VA)	10000
Output Capacity (kVA)	10
Output Capacity (Watts)	9000
Output Capacity (kW)	9
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	120/208V, 120/240V, 100/200V, 110/220V, 115/230V, 127/220V
Frequency Compatibility	50 / 60 Hz
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	120V; 208V; 240V; 100V; 200V; 110V; 220V; 115V; 230V; 127V



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Output Receptacles	(1) 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.)	5 min. (9000W)
Runtime Half Load (min.)	12 min. (4500W)
Expandable Runtime	Yes
Expandable Runtime Description	Add up to 4 extended battery modules (EBM). Part number &nbsp;<a class="productLink" href="//triplite.eaton.com/eaton-9px-external-battery-for-9px8ksp-9px10ksp-3u~9PXEBM360SP">9PXEBM360SP</a>&nbsp;
DC System Voltage (VDC)	360
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//triplite.eaton.com/replacement-battery-for-eaton-9px8ksp-9px10ksp-ups-744-A2519">744-A2519</a>&nbsp;
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>	
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
<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	6U
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Minimum Required Rack Depth (cm)	86.36
Minimum Required Rack Depth (inches)	34
Unit Dimensions (hwd / in.)	10.300 x 17.300 x 32.000
Unit Weight (lbs.)	225.000
Unit Weight (kg)	102.06



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ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Relative Humidity	0-96% non-condensing
AC Mode Efficiency Rating (100% Load)	94
AC Economy Mode Efficiency Rating (100% Load)	97
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	2310
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	2310
COMMUNICATIONS	
Network Management Cards	NETWORK-M2; &nbsp;<a class="productLink" href="/triplite.eaton.com/eaton-industrial-gateway-card-mini-slot-for-ups-systems~INDGW-M2">INDGW-M2</a>&nbsp;<a class="productLink" href="/triplite.eaton.com/eaton-relay-serial-interface-card~RELAY-MS">RELAY-MS</a>&nbsp;
Communications Interface	Pre-installed network card; RS-232; USB
APPLICATIONS	
UPS Applications	Mission Critical Applications
STANDARDS & COMPLIANCE	
Product Certifications	NOM (Mexico); cUL Listed; EN 62040-2
Product Compliance	CE (Europe); ENERGY STAR Qualified; FCC (USA); FCC Part 15 Class A (USA); RoHS
WARRANTY & SUPPORT	
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 <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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