

# Eaton 9PX UPS

Reliable, versatile and efficient backup power for IT equipment, including Cisco switches and servers

## Eaton 9PX features and benefits

**Reliability:** With extended battery runtime options, hot-swappable batteries, internal bypass and optional maintenance bypass, the 9PX maximizes the availability of your IT systems.

**More power:** The 9PX allows you to connect more devices by providing up to 28 percent more wattage compared to traditional UPSs.

**Efficiency:** The double-conversion online 9PX is the most efficient UPS in its class with a  $\geq 93$  percent efficiency rating in normal mode.

**Increased battery life:** Eaton® offers ABM® technology that increases battery service life by 50 percent. ABM uses an advanced, three-stage charging technique and closely monitors battery health to provide advanced notice when batteries need replacement.

**Intuitive LCD interface:** Eaton's next-generation intuitive LCD interface offers a graphical interface that provides all critical UPS information in a single view. The user-friendly menu allows you to view information and control settings with the push of a button.

## Intelligent Power Software Suite

By integrating the bundled Intelligent Power® Software Suite (IPSS), you can monitor and manage your network power devices. IPSS enables you to:

- Seamlessly integrate with VMware's vCenter™ Server™ virtualization management solution, as well as virtualization platforms such as Citrix® XenServer, Microsoft SCVMM™, Red Hat® and other Xen® open source platforms
- Initiate live migration of virtual machines (VMs) to automatically and transparently migrate them during power disruptions to unaffected devices with systems such as VMware vMotion™ and Microsoft Live Migration
- Gracefully shut down computers and VMs and host servers during an extended power outage

To learn more, please visit: [Eaton.com/intelligentpower](http://Eaton.com/intelligentpower)

## Services and support

Eaton provides 24x7 product support. From battery replacement to full UPS service plans, Eaton has one of the top service models in the industry.



The Eaton 9PX is an ENERGY STAR® qualified UPS. ENERGY STAR is intended to help consumers save money and protect the environment through energy efficient products and practices.



## Versatile configurations

The 9PX has the versatility to meet the demands of a wide array of IT applications.



Each 9PX includes a 4-post rail kit.



Add extended battery modules (EBMs) to both stand-alone tower and rackmount configurations for extended runtimes.

## Graphical LCD interface

With an LCD interface that tilts 45 degrees for optimal viewing, rotates to match rack and tower installations, and provides clear information on UPS status and measurements, the 9PX makes local management easy.



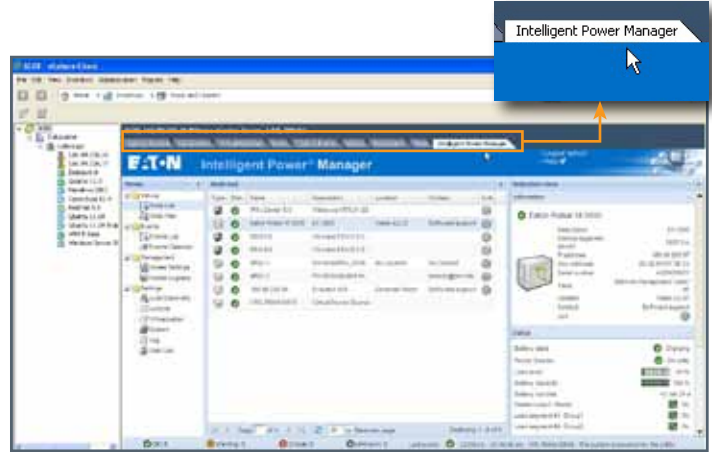
The 9PX displays key data such as its  $\geq 93$  percent efficiency rating, alarm history, runtime remaining, load percentage and more in a graphical format.

## Virtualization-ready UPS

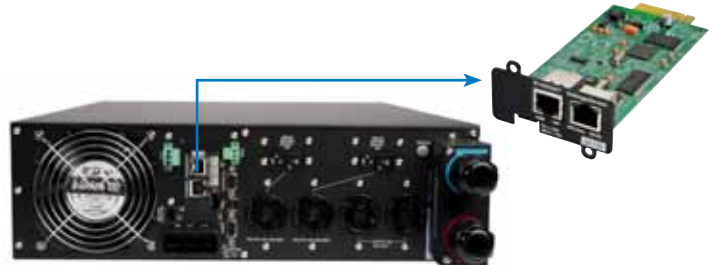
Every 9PX comes with the Network Card-MS and IPSS, allowing seamless integration into the following industry-leading virtualization platforms:



Microsoft Partner Network



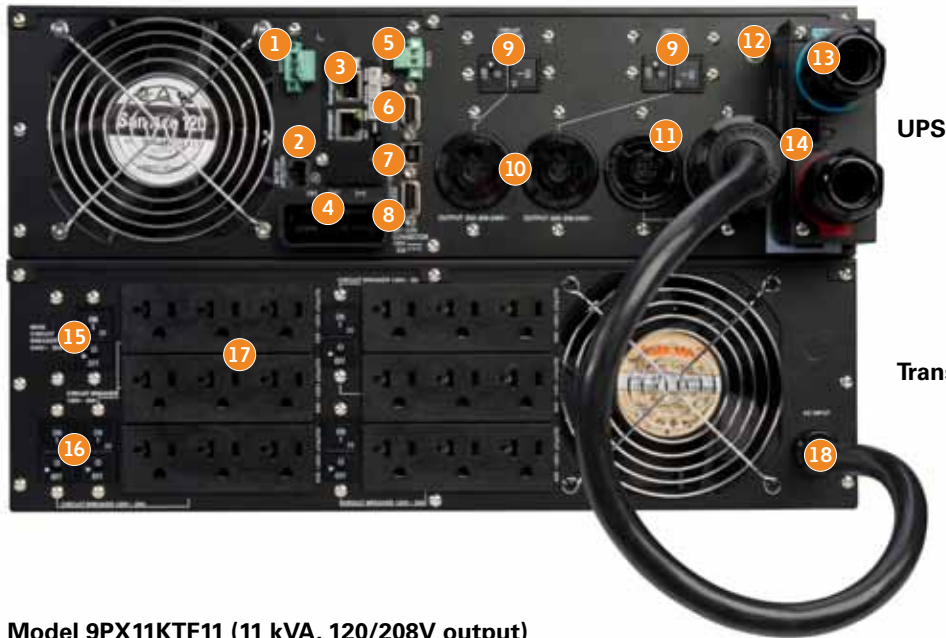
Intelligent Power Manager plugs into VMware's vCenter dashboard.



The bundled Network Card-MS allows the 9PX to connect to an Ethernet network and the Internet, supporting real-time monitoring and control of UPSs across the network via a standard Web browser, SNMP-compliant network management system or power management software.

## Rear panel overview

### Model 9PX6KTF5 (6 kVA, 120/208V output)



- 1 Remote Power Off (RPO)
- 2 EBM detection port
- 3 Network Card-MS (bundled with UPS)
- 4 EBM connector
- 5 Remote On/Off (ROO)
- 6 Output relay contact – DB-9 dry contact (common alarm as standard).
- 7 USB port (cable included)
- 8 RS-232 serial communication port (cable included)
- 9 Output circuit breaker protection
- 10 (2) L6-20R
- 11 (2) L6-30R
- 12 Ground bonding screw
- 13 6-foot line cord with L6-30P
- 14 Output terminal block for hardwired applications

### Model 9PX11KTF11 (11 kVA, 120/208V output)



- 1 Remote Power Off (RPO)
- 2 EBM detection port
- 3 Network Card-MS (bundled with UPS)
- 4 EBM connector
- 5 Remote On/Off (ROO)
- 6 Output relay contact – DB-9 dry contact (common alarm as standard).
- 7 USB port (cable included)
- 8 RS-232 serial communication port (cable included)
- 9 Output circuit breaker protection
- 10 (2) L6-20R
- 11 (2) L6-30R
- 12 Ground bonding screw
- 13 6-foot line cord with L6-30P
- 14 Output terminal block for hardwired applications
- 15 30A main circuit breaker
- 16 (4) 20A circuit breakers
- 17 (18) 5-20R outlets (accommodates 5-20P and 5-15P)
- 18 L6-30P input cord
- 19 EBM to UPS connector
- 20 EBM to EBM connector
- 21 60A battery circuit breaker
- 22 (2) L14-30R
- 23 (2) 30A circuit breakers
- 24 (2) 20A circuit breakers
- 25 (8) 5-20R
- 26 Output terminal block (hardwired)



To interact with the 9PX and see additional configurations up close, please visit [Eaton.com/9PX](https://www.eaton.com/9PX).

## 9PX model selection guide

The 9PX UPS is pre-configured into bundles for easy configuration and deployment. For complete specifications, including interactive battery runtime graphs, please visit [Eaton.com/9PX](http://Eaton.com/9PX).

| Catalog number                       | Power rating (VA/watts) | Input     | Output                            | Dimensions (HxWxD, in.)* | Weight (lb.) |
|--------------------------------------|-------------------------|-----------|-----------------------------------|--------------------------|--------------|
| <b>208V output, 50/60 Hz bundles</b> |                         |           |                                   |                          |              |
| 9PX5K                                | 5000/4500               | L6-30P**  | (2) L6-30R, (2) L6-20R, Hardwired | 5.1 (3U) x 17.3 x 28.4   | 106          |
| 9PX6K                                | 6000/5400               | L6-30P**  | (2) L6-30R, (2) L6-20R, Hardwired | 5.1 (3U) x 17.3 x 28.4   | 106          |
| 9PX6KG                               | 6000/5400               | Hardwired | (2) C19, (8) C13, Hardwired       | 5.1 (3U) x 17.3 x 27.0   | 106          |
| 9PX8KHW                              | 8000/7200               | Hardwired | Hardwired                         | 10.2 (6U) x 17.3 x 27.6  | 190          |
| 9PX8K                                | 8000/7200               | Hardwired | Hardwired, (3) L6-30R             | 10.2 (6U) x 17.3 x 30.0  | 205          |
| 9PX11KHW                             | 11000/10000             | Hardwired | Hardwired                         | 10.2 (6U) x 17.3 x 27.6  | 190          |
| 9PX11K                               | 11000/10000             | Hardwired | Hardwired, (3) L6-30R             | 10.2 (6U) x 17.3 x 30.0  | 205          |

| <b>120/208V output, 50/60 Hz bundles</b> |             |           |   |                         |     |
|--|-------------|-----------|---|-------------------------|-----|
| 9PX5KTF5                                 | 5000/4500   | L6-30P**  | (1) L6-30R, (2) L6-20R, (18) 5-20R, Hardwired | 10.2 (6U) x 17.3 x 28.4 | 201 |
| 9PX5KP1                                  | 5000/4500   | L6-30P    | (1) L14-30R, (1) L6-30R, (6) 5-20R            | 10.2 (6U) x 17.3 x 28.4 | 203 |
| 9PX5KP2                                  | 5000/4500   | Hardwired | Hardwired                                     | 10.2 (6U) x 17.3 x 28.4 | 201 |
| 9PX6KTF5                                 | 6000/5400   | L6-30P**  | (1) L6-30R, (2) L6-20R, (18) 5-20R, Hardwired | 10.2 (6U) x 17.3 x 28.4 | 201 |
| 9PX6KP1                                  | 6000/5400   | L6-30P    | (1) L14-30R, (1) L6-30R, (6) 5-20R            | 10.2 (6U) x 17.3 x 28.4 | 203 |
| 9PX6KP2                                  | 6000/5400   | Hardwired | Hardwired                                     | 10.2 (6U) x 17.3 x 28.4 | 201 |
| 9PX8KTF5                                 | 8000/7200   | Hardwired | Hardwired, (2) L6-30R, (18) 5-20R             | 15.3 (9U) x 17.3 x 30.0 | 300 |
| 9PX11KTF5                                | 11000/10000 | Hardwired | Hardwired, (2) L6-30R, (18) 5-20R             | 15.3 (9U) x 17.3 x 30.0 | 300 |
| 9PX11KTF11                               | 11000/10000 | Hardwired | Hardwired, (2) L14-30R, (8) 5-20R             | 15.3 (9U) x 17.3 x 27.6 | 377 |

\*Each module of every 9PX bundle ships with a 4-post rail kit. \*\*Terminal block with L6-30P cord.

### Extended battery modules (EBM) and accessories: 5 and 6 kVA

| Catalog number | Description   | Dimensions (HxWxD, in.) | Weight (lb.) |
|----------------|---|-------------------------|--------------|
| 9PXEBM180RT    | EBM; includes 4-post rail kit, quick start guide, joining brackets for tower configuration and 1-foot connector cable; add up to 4 EBMs | 5.1 (3U) x 17.3 x 25.4  | 150          |
| EBMCBL180      | 6-foot EBM cable for 5 and 6 kVA 9PX UPS models   | 6-feet long             | 3            |
| CBLADAPT180    | Adapter cable from Eaton 9135/MX UPS EBM to 5 and 6 kVA 9PX UPS models  | 3-feet long             | 2            |

### Extended battery modules (EBM) and accessories: 8 and 11 kVA

|             |  |                        |     |
|-------------|--|------------------------|-----|
| 9PXEBM240RT | EBM; includes 4-post rail kit, quick start guide, joining brackets for tower configuration and 1-foot connector cable. Add up to 5 EBMs with UPS; add up to 12 EBMs with SC240RT | 5.1 (3U) x 17.3 x 25.4 | 143 |
| SC240RT     | 240V supercharger module to add up to 12 EBMs to 8 and 11 kVA 9PX UPS models. Includes 4-post rail kit.  | 5.1 (3U) x 17.3 x 26.8 | 34  |
| EBMCBL240   | EBM cable  | 6-feet long            | 3   |
| CBLADAPT240 | Adapter cable from 9135, MX and EX RT UPS EBMs to 8 and 11 kVA 9PX UPS models  | 3-feet long            | 2   |

### Power distribution & bypass

| Catalog number | Description                    | Compatible 9PX models   | Input     | Output                | Dimensions (HxWxD, in.) | Weight (lb.) |
|----------------|--------------------------------|---|-----------|-----------------------|-------------------------|--------------|
| MBP6K208       | 208V maintenance bypass module | All 5 and 6 kVA models  | L6-30P    | (2) L6-30R            | 3U rackmount            | 9            |
| MBP11K208      | 208V maintenance bypass module | All 8 and 11 kVA models   | Hardwired | Hardwired, (3) L6-30R | Rear-mount              | 15           |
| PW105BA2U420   | Basic ePDU                     | 9PX5K, 9PX6K, 9PX5KTF5, 9PX6KTF5, 9PX6KP1, 9PX8KTF5, 9PX8K, 9PX11KTF5, 9PX11K | L6-30P    | (4) L6-20R            | 3.5 (2U) x 19.0 x 6.0   | 10           |
| ePBZ79         | Basic ePDU                     | 9PX5K, 9PX6K, 9PX5KTF5, 9PX6KTF5, 9PX6KP1, 9PX8KTF5, 9PX8K, 9PX11KTF5, 9PX11K | L6-30P    | (16) C13, (4) C19     | 1.7 (1U) x 17.0 x 5.1   | 6            |
| PW105BA0U421   | Basic ePDU                     | 9PX5KP1, 9PX6KP1, 9PX11KTF11  | L14-30P   | (24) 5-20R            | 66.0 (0U) x 1.89 x 2.0  | 10           |
| PW105BA2U422   | Basic ePDU                     | 9PX5KP1, 9PX6KP1, 9PX11KTF11  | L14-30P   | (4) L6-20R            | 3.5 (2U) x 19.0 x 6.0   | 10           |

### Other hardware accessories

| Catalog number | Description                                | Dimensions (HxWxD, in.) | Weight (lb.) |
|----------------|--|-------------------------|--------------|
| RK2PC          | 2-post rail kit for 5 and 6 kVA 9PX models | Fits 2-post racks       | 5            |
| BINTSYS        | Battery integration system and caster kit  | 7.9 x 20.5 x 31.5       | 30           |

To interact with the 9PX UPS,  
please visit: [Eaton.com/9PX](http://Eaton.com/9PX)

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