Eaton 9PX 6000VA 5400W 208V Online Double-Conversion UPS - L6-30P or Hardwired Input, 2 L6-20R, 2 L6-30R, Lithium-ion Battery, Cybersecure Network Card, Extended Run, 3U Rack/Tower

MODEL NUMBER: **9PX6K-L**







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

Highlights

- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Improved lithium-ion batteries have lifespan up to 10 years - set it and forget it!
- Included NETWORK-M2 Gigabit network card enables full remote access and control
- Interactive LCD interface keeps you updated on critical load information in real time
- Optional extended battery modules allow expanded runtime to keep equipment powered

Package Includes

- 6000VA 5400W 208V 9PX Online Double-Conversion UPS
- NETWORK-M2 Gigabit network card
- USB cable
- RS-232 cable
- Tower support stands
- Cable gland for hardwire connection
- Rack-mounting hardware
- Quick start guide

Features

6kVA/5.4kW/208V Long-Term Battery Backup for IT Installations and Edge Networks
This 9PX rack-mount online double-conversion UPS system is an efficient “set it and forget it” solution, providing reliable, low-maintenance battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable IT equipment or destroy data. The 9PX6K-L is ideal power management for education, commercial, financial or healthcare networking components, including Cisco switches and servers.

Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages
The maintenance-free lithium-ion battery modules have a service life of 8 to 10 years, providing up to three times more runtime at full load than equivalent lead-acid batteries while weighing 20 percent less. These lithium iron phosphate (LFP) batteries 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. On-board battery management system (BMS) monitoring of battery performance, charge cycles and active temperature provides advance notice when batteries need replacing. You can also connect up to four lithium-ion extended battery modules (9PXEBM192RT-L, sold separately) to add necessary 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
Two L6-20R and two L6-30R 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 9PX6K-L 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.

Supports Transformer, Maintenance Bypass, and PowerPass Distribution Module Accessories
Add one of the optional 3U PowerPass Distribution Modules (9PXPPDM1 or 9PXPPDM2, sold separately) or a 3U Stepdown Transformer (9PXTFMR5, sold separately) for 120V output power and various outlet configurations. The optional Maintenance Bypass (MBP6K208, sold separately) requires no additional rack space and allows for safe and simple bypass of the UPS while system maintenance is performed.

Versatile Installation Options
You can mount the 9PX6K-L in just 3U of space in an EIA-standard 19-inch rack using the included 4-post rail kit or an optional 2-post rail kit (RK2PC, sold separately). You can also adapt it for tower installation using the included support stands. The 10-foot power cord with NEMA L6-30P plug connects to a compatible AC outlet. A cable gland is included for alternate hardwire input.

Specifications

OVERVIEW	
UPC Code	786689772598
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	29A
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 230V AC; 240V AC
UPS Input Connection Type	Hardwire; L6-30P
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Input Plug Type	NEMA L6-30P
OUTPUT	
Output Capacity (VA)	6000
Output Capacity (kVA)	6
Output Capacity (Watts)	5400
Output Capacity (kW)	5.4
Output Capacity Details	5200VA / 4600W at 200V Output; 5400VA / 4800W at 208V Output; 5700VA / 5100W at 220V Output; 6000VA / 5300W at 230V Output; 6000VA / 5400W at 240V Output

Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	200V, 208V, 220V, 230V, 240V
Frequency Compatibility	50 / 60 Hz
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	200V; 208V; 220V; 230V; 240V
Output Receptacles	Hardwire; (2) L6-30R; (2) L6-20R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Lithium-ion (LiFePO4)
Runtime Full Load (min.)	7.7 min. (5400W)
Runtime Half Load (min.)	15.4 min. (2700W)
Expandable Runtime	Yes
Expandable Runtime Description	Add up to 4 extended battery modules (EBM). Part number 9PXEBM192RT-L
DC System Voltage (VDC)	192
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	EBP-1801-L
Battery Replacement Description	Hot-swappable, replaceable batteries
Battery Management	Integrated battery management system (BMS) for temperature regulation and life cycle monitoring
USER INTERFACE, ALERTS & CONTROLS	
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
LED Indicators	4 status-indicating LEDs
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Response Time	0 ms
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount; Tower

Rack Height	3U
Cooling Method	Fan
External Battery Pack Form Factor	Rack/Tower
Form Factors Supported	Rack/Tower
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount; Tower
Installation Form Factors Supported with Optional Accessories	2 post rackmount (RK2PC)
Minimum Required Rack Depth (cm)	76.20
Minimum Required Rack Depth (inches)	30
Unit Dimensions (hwd / in.)	5.120 x 17.330 x 28.430
Unit Weight (lbs.)	81.200
Unit Weight (kg)	36.83
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 140°F (-15° to 60°C)
Relative Humidity	0-95% non-condensing
AC Mode Efficiency Rating (100% Load)	90
AC Economy Mode Efficiency Rating (100% Load)	98
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	1233
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1699
COMMUNICATIONS	
Network Management Cards	NETWORK-M2 ; INDGW-M2 ; RELAY-MS
Communications Interface	Pre-installed network card; RS-232; USB
FEATURES & SPECIFICATIONS	
High Availability UPS Features	Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Pure sine wave output; Remote management; Surge/noise protection; Zero transfer time
APPLICATIONS	
UPS Applications	Mission Critical Applications
CARTON FILES	
Carton Notes	Pallet dims: 48in*40in*43in. (6/pallet)

STANDARDS & COMPLIANCE	
Product Certifications	cUL Listed; NOM (Mexico); EN 62040-2; IEC 62040-2
Product Compliance	CE (Europe); ENERGY STAR Qualified; FCC Part 15 Class A (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (U.S. & Canada)	5-year limited warranty

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