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9PX G2 6000VA 5400W 208V Online Double-Conversion Lithium-Ion UPS - L6-30P or Hardwired Input, 2 L6-20R, 2 L6-30R, Hardwired Output, Cybersecure Network Card, Extended Run, 3U Rack/Tower

MODEL NUMBER: 9PX6KG2-L



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

Features

6kVA/5.4kW/208V Battery Backup for Distributed IT and Edge Networks

This 9PX G2 rack-mount online double-conversion lithium-ion UPS system provides reliable, low-maintenance battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage critical IT equipment or destroy data. The 9PX6KG2-L is ideal power management for IT managers, data center managers, electrical contractors, integrators, specifying engineers and other end users in business, edge computing, education, government, healthcare, retail and other networking applications.

Delivers Maximum Power Reliability with Best-in-Class Efficiency

The 9PX6KG2-L maximizes power reliability and allows you to support servers, PoE (Power over Ethernet) switches and other networking equipment. The most efficient UPS system in its class, it complies with the latest ENERGY STAR standards to reduce greenhouse gas emissions and to save you money on energy and cooling costs. Load segments with energy metering help you optimize energy use.

Lithium-Ion Batteries Designed for Long Life

Advanced lithium-ion battery technology offers a service life of eight to 10 years, which is at least three times longer than traditional lead-acid batteries while weighing 40 percent less. Not only does this reduce maintenance and replacement costs, but it also makes the UPS lighter, more efficient and ideal for deployments where reliability and longevity matter. These lithium iron phosphate (LiFePO₄) batteries allow you to work through most power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout.

Reliable, Expandable Battery Backup with Enhanced Management

Eaton's exclusive battery management system (BMS) monitors battery performance, charge cycles and active temperature to provide advance notice when batteries need replacement. You can also connect up to 10 extended battery modules (9PXEBM192RTG2-L, sold separately), which are smaller and lighter than VRLA modules, to add necessary runtime during prolonged power outages.

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

Highlights

- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Best-in-class efficiency results in reduced energy costs and greenhouse gas emissions
- Improved lithium-ion batteries have lifespan up to 10 years – just set it and forget it
- Included NETWORK-M3 Gigabit network card enables full remote access and control
- Up to 10 optional extended battery modules allow expanded runtime

Package Includes

- 6000VA 5400W 208V 9PX G2 Online Double-Conversion Lithium-Ion UPS
- NETWORK-M3 Gigabit network card
- USB cable
- RS-232 cable
- Cable gland for hardwire connection
- Rack-mounting hardware
- Tower support stands
- Quick Start Guide



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The NETWORK-M3 cybersecure network management 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-M3 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 businesses from these risks.

High-Visibility LCD Interface Keeps You Informed at a Glance

The high-contrast color LCD provides control settings and critical information to help diagnose any issues. A large color LED bar makes it easy to diagnose UPS status from a distance and quickly locate units that require attention. The interface rotates to accommodate both rack-mount and tower configurations, and it tilts up to 45 degrees for more comfortable viewing.

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.

Versatile Installation Options

You can mount the 9PX6KG2-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. 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	786689972769
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24.4A
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 230V AC; 240V AC
UPS Input Connection Type	Hardwire; L6-30P
Input Circuit Breakers	Recommended 30A upstream (L6-30P input) or 40A upstream (hardwired input)
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Input Plug Type	Hard-wire; NEMA L6-30P
OUTPUT	
Output Capacity (VA)	6000
Output Capacity (kVA)	6
Output Capacity (Watts)	5400
Output Capacity (kW)	5.4



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Output Capacity Details	200V - 240V: 6000 watts (hardwired UPS input) 240V: 5400 watts (L6-30P input) 230V: 5300 watts (L6-30P input) 220V: 5100 watts (L6-30P input) 208V: 4800 watts (L6-30P input) 200V: 4600 watts (L6-30P input)
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	200V, 208V, 220V, 230V, 240V
Frequency Compatibility	50 / 60 Hz
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	200V; 208V; 220V; 230V; 240V
Output Receptacles	(2) L6-20R; (2) L6-30R; Hardwire
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Lithium-ion (LiFePO4)
Runtime Full Load (min.)	7.2 min. (6000W)
Runtime Half Load (min.)	14.4 min. (3000W)
Expandable Runtime	Yes
Expandable Runtime Description	Add up to 10 extended battery modules (EBM). Part number 9PXEBM192RTG2-L
DC System Voltage (VDC)	192
Battery Recharge Rate (Included Batteries)	Batteries recharge to 90% capacity in less than 3 hours
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	EBP-1806-L
Battery Replacement Description	Hot-swappable, user replaceable batteries. UPS requires 1 Replacement Battery Cartridge.
Internal Battery Details	192V 6Ah 1152Wh
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	LED status bar
SURGE / NOISE SUPPRESSION	



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UPS AC Suppression Response Time	0 ms
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	0 ms
PHYSICAL	
Primary Form Factor	Rackmount; Tower
Rack Height	3U
Cooling Method	Fan
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
UPS Power Module Weight (kg)	35.20
UPS Power Module Weight (lbs.)	77.6
Unit Dimensions (hwd / in.)	5.100 x 17.300 x 27.000
Unit Weight (lbs.)	77.6
Unit Weight (kg)	35.20
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Relative Humidity	0-95% non-condensing
AC Mode Efficiency Rating (100% Load)	96.5
AC Economy Mode Efficiency Rating (100% Load)	98.9
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	767
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1155
COMMUNICATIONS	
Network Management Cards	INDGW-M2 ; RELAY-MS ; Network-M3
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



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APPLICATIONS	
UPS Applications	Mission Critical Applications
STANDARDS & COMPLIANCE	
Product Certifications	NOM (Mexico); cUL Listed; EN 62040-2
Product Compliance	FCC Part 15 Class A (USA); CE (Europe); FCC (USA); ENERGY STAR Qualified; RoHS
WARRANTY & SUPPORT	
Product Warranty Period (U.S. & Canada)	5-year limited warranty
Extended Service Plans	5-YEAR ON-SITE PLAN (US ONLY) Service Part Number: WFLN75XX-6009UCOn-site parts and labor coverage for 5 yearsParts, electronics and UPS batteries coverage24x7 on-site labor coverage, next-day responseNext-day shippingTechnical supportOn-site start-up: SU05NXXX-6009UCAssembly: AS00NXXX-6009UC

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