Eaton 9130 UPS

Features

- Protects against downtime, data loss and process interruption by providing continuous, clean power
- Offers premium performance with a 0.9 power factor and >95 percent efficiency
- Increases battery service life and system uptime with ABM® battery charging technology
- Enables prolonged runtime of essential equipment during power outages by allowing for orderly, remote shutdown of non-critical systems or processes
- Provides installation flexibility with a choice of rack or tower designs, both conserving valuable space
- Ensures data and system integrity with LanSafe® power management software
- Provides a two-year limited warranty, an extended warranty, Flex™ and PowerTrust™ service contracts, and a $250,000 load protection guarantee (US and Canada)

Product snapshot

Product rating:	700 to 3000 VA
Voltage	120 Vac, 208–240V
Frequency:	50/60 Hz (auto-sensing)
Configuration:	Rackmount or tower

Advanced power protection for:

- IT and networking environments
- Servers, networking gear
- Telecommunications, VoIP, security systems
- Medical systems
- Diagnostics and medical screening
- Patient record archives
- Manufacturing systems
- Chip fabrication
- Pharmaceutical production
- Chemical processing

A one-stop solution provider-partner, Eaton® provides world-class power protection, power management and distribution products including uninterruptible power systems (UPSs), DC power systems, award-winning power management software and world-class services. Our Powerware® series has been recognized by end-users and industry experts for delivering the highest customer value and satisfaction, as well as for demonstrating insight into customer needs.

The newest Powerware series addition, the **Eaton 9130 UPS**, resolves utility power problems and delivers superior power protection for IT and networking equipment, medical systems, manufacturing process control—or anywhere critical equipment and applications require clean, continuous power.

Double-conversion design for superior power protection

The 9130 is constantly monitoring power conditions—regulating both voltage and frequency. Even when presented with the most severe power problems, this UPS's output remains within three percent of nominal voltage.

With a wide input voltage range, the 9130 does not depend on batteries to smooth out minor power fluctuations. Batteries are conserved for those times when utility power is highly unstable or completely out. If an outage occurs, the 9130 transfers to battery with zero interruption in power, making this an ideal UPS for sensitive and critical equipment.

Powering Business Worldwide

Maximum battery run-time for critical systems

Using LanSafe power management software, you can independently control load segments, which are groups of receptacles on the rear panel of the UPS. This feature enables you to manage scheduled shutdowns and sequential startups of protected loads. During a power outage, you could shut down power to non-critical devices, thereby extending battery backup time available for critical devices. You can also use this feature to remotely re-boot locked-up equipment.

Flexible deployment and communication options

One platform, two form factors, dozens of choices. Up to 3000 VA of UPS power is packed into only 2U of rack space. The tower option is about the size of a modern, compact PC, occupying only 1.5 square feet or less of footprint. Choose from dozens of models offering the input plug type and output receptacles that suit your needs and voltage.

Monitor and manage the UPS from anywhere. Connectivity options are available for almost any networking environment. The standard unit comes with USB and RS-232 serial communication ports. You can customize your UPS by adding BestDock interface options for other types of communications, such as to:

- Control and monitor UPS status and meters via SNMP or a Web browser
- Monitor and shut down multiple servers with different operating systems
- Send relay-contact alarm notifications to remote security systems

Intuitive, visual UPS monitoring and management

Local. An on-site user can configure and monitor many features of the 9130 using a large, bright, backlit display with easy navigation—available in multiple languages. LEDs provide at-a-glance insight into system status.

Remote. The 9130 comes complete with the LanSafe suite of power management software that provides control and visibility over all your UPS systems, using an intuitive, graphical interface and SNMP.

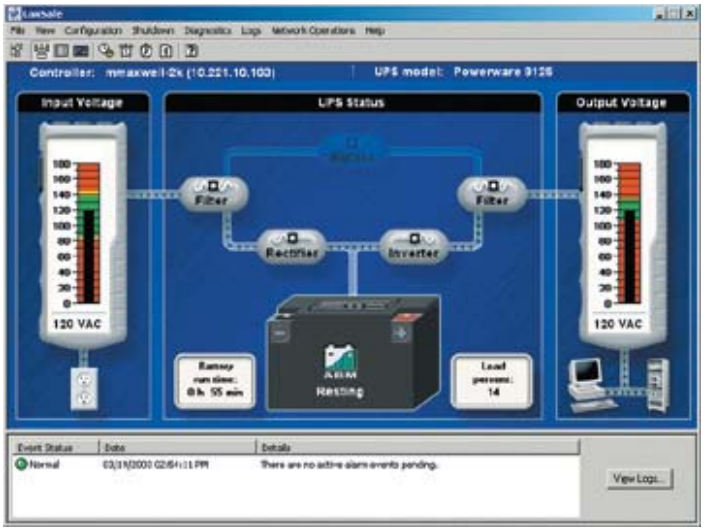
From a central vantage point, you have the visibility and control you need to ensure continuous up-time. For example, you can establish a prioritized shutdown of network devices and client/server applications, test all networked UPS systems from one node, analyze trends and network conditions, and stay informed of power problems by pager and email.

The LanSafe software package also includes multimedia demonstrations and a free trial for you to explore optional software for UPS performance monitoring/analysis and facility/data-center management.

Enhance your UPS with complementary options

Count on Eaton for comprehensive power quality and infrastructure solutions. You can complement your 9130 with options that create a more effective, manageable and resilient data center or facility. For example:

- A **maintenance bypass** enables power to completely bypass the UPS, so it can be safely serviced or replaced without powering down critical systems.
- Rugged and attractive **enclosures** provide well-organized rack space for data centers, wiring closets, office environments and warehouses.
- **Power distribution units** streamline the distribution of power throughout a data center, rack or enclosure.
- **Monitoring systems**, such as LanSafe, give you the insight to effectively manage the facility and its power infrastructure for maximum uptime.
- **Support services**, such as our eNotify remote monitoring, ensure that your power infrastructure is intelligently designed, continuously monitored and managed for always-on operations.



LanSafe answers network administrators' key questions with an intuitive visual display.

Is input voltage within the acceptable range?

If the power went out, how long could the UPS run on battery power?

Is the UPS running on battery power right now?

Are there any active events I need to know about?

Is the UPS online or in bypass mode?

Is output voltage within acceptable limits?

What percent of UPS capacity is being used right now?

Is the battery being charged or discharged?

Eaton, your trusted ally for power quality

Representing more than 40 years of R&D excellence, the new Eaton 9130 UPS delivers more real *power*—so you can power through any disruption and keep your organization's critical systems protected reliably and efficiently. Eaton will be there with you for the long term with premium warranty coverage and expert technical support.

When you want maximum peace of mind, count on Eaton's eNotify Remote Monitoring service. With this 7x24 service, our Customer Reliability Center (CRC) remotely monitors your UPS and contacts you in case of an emergency. Test-drive this service free for 90 days! Just visit www.powerware.com/eNotify and follow the instructions.

Technical specifications

General	
User interface	Graphical LCD with blue backlight and text in English, French, German, Russian and Spanish
LEDs	Four status-indicating LEDs
Topology	True online, double-conversion
Diagnostics	Full system self-test
UPS bypass	Automatic bypass
Dimensions	See models table
Rail kit	Included with all rackmount units

Electrical input	
Nominal voltage	120V: 208–240V
Voltage range	120V: 90–138 Vac (with load PF of 0.7) 208/230V: 160–276 Vac (with load PF of 0.7)
Power draw of UPS	700: 5.8A @120V, 3.4A @208V, 3.0A @230V 1000: 8.3A @120V, 4.8A @208V, 4.3A @230V 1500: 12.5A @120V, 7.2A @208V, 6.5A @230V 2000: 16.6A @120V, 9.6A @208V, 8.7A @230V 2500: 20.8A @120V, 12.0A @208V, 10.9A @230V 3000: 25.0A @120V, 14.4A @208V, 13.0A @230V
Dedicated circuit breaker rating	**120V:** 700–1500 VA: 15A 2000 VA: 20A 2500–3000 VA: 30A **208/230V:** 700–2000 VA: 10A 3000 VA: 16A
Frequency	50/60 Hz
Frequency range	45–65 Hz

Electrical output	
Power factor	0.9
On utility voltage regulation	±3% of nominal
On battery voltage regulation	±3% of nominal
Efficiency	>95% in high-efficiency mode; >86% in online mode
Frequency regulation	±3% Hz online
Load crest factor	3 to 1

Battery	
Battery type	VRLA 12V/9 Ah (both internal and external)
Battery runtime	>3 minutes with internal batteries @100% load (0.7 PF)
Battery replacement	Hot-swappable internal and external batteries
Start-on-battery	Allows start of UPS without utility input

Communications	
Serial port	RS-232 standard, for interface to power management software
USB port	HID standard, for communicating with Windows 98 and ME computers
Relay output	Common alarm standard
Communications slot	Optional communication slots (BD Slot)
Optional communication cards	SNMP/Web card for direct control and monitoring in SNMP-based networks, monitoring of UPS status and meters through Web browser interface Relay card for integration to industrial environment and building management systems, remote shutdown for IBM AS/400 systems

Environmental	
Safety markings	120/208V: UL, CUL, VCCI 230V: CE, GS
EMC markings	120V: FCC Class B, EN55022 Class B (1.5 kVA and below); FCC Class A, EN55022 Class A (2.0 kVA and above) 230V: CE (per IEC/EN62040-2: Emissions, Category C1; Immunity, Category C2)
Audible noise	<50 dB
Ambient operating	0˚C (32˚F) to +40˚C (104˚F)
Storage temperature	-20˚C (-4˚F) to +40˚C (104˚F) with batteries and -25˚C (-13˚F) to +55˚C (131 ˚F) without batteries
Relative humidity	5–90% non-condensing

Heat dissipation for all voltages: 230/208 and 120V

9130 model	Normal mode, BTUs/hr	On battery, BTUs/hr
700 VA	350	554
1000 VA	500	674
1500 VA	750	1,011
2000 VA	838	1,348
2500 VA	1,047	1,463
3000 VA	1,257	1,755