

Eaton 9130 Rackmount UPS



Product snapshot

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

Advanced power protection for:

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



Powering Business Worldwide

Features

- Protects against downtime, data loss and process interruption by providing continuous, clean power
- Graphical user interface provides all critical UPS information on a single screen and enables settings control at the push of a button
- Provides up to 3000 VA in only 2U of rack space
- Offers premium performance with a 0.9 power factor and >95 percent efficiency in high efficiency mode
- 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
- Ensures data and system integrity with Intelligent Power[®] Manager supervisory software, which provides easy, versatile, remote monitoring and management of multiple devices
- Provides a two-year limited warranty, an extended warranty, on-site Flex and on-site PowerTrust service contracts, and a \$250,000 load protection guarantee (U.S. and Canada)

Maximum availability

- ABM technology increases battery life and system uptime
- Load segments allow for selective load shedding during outages
- Optional 2U, hot-swappable extended battery modules (EBMs) extend backup runtime for hours
- Internal hot-swappable batteries can be replaced without powering down the UPS
- UPS startup on battery power
- HotSwap Maintenance Bypass (MBP) and PowerPass Distribution Modules (PPDMs) options enable the entire UPS to be serviced or replaced without powering down critical systems

Low total cost of ownership

- More real output power for dollar spent with 0.9 power factor
- Cuts energy usage and costs with >95% efficiency rating in high efficiency mode
- 3000 VA in only 2U of space saves expensive data center real estate



Hot-swappable internal batteries in only 2U

UPS status and operation

- Bright front panel LCD for easy monitoring and management
- LEDs to show system status
- Optional FlexPDU adds more plug-and-play flexibility, streamlining power distribution
- Multiple options for industry-standard communications
- Intelligent Power Manager supervisory software included free of charge
- Direct monitoring via existing management systems and LANs

Communications

- A standard communication slot accepts interfaces for Web, SNMP, Modbus or serial connectivity
- Connect directly to the Ethernet network and the Internet to monitor and manage the UPS with a standard Web browser
- Monitor power conditions in real time through existing facilities or building management system
- Monitor and gracefully shut down multiple servers running various operating systems
- Receive alarm notifications from the UPS, environmental monitoring devices or security systems



Add up to four EBMs for hours of runtime

Intelligent Power Software Suite

By integrating the suite with the Eaton 9130, you can:

- 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 (VM) to automatically and transparently migrate VMs during power disruptions to unaffected devices with systems such as VMware vMotion™ and Microsoft Live Migration
- Integrate with VMware vCenter Site Recovery Manager

To learn more, please visit: Eaton.com/intelligentpower



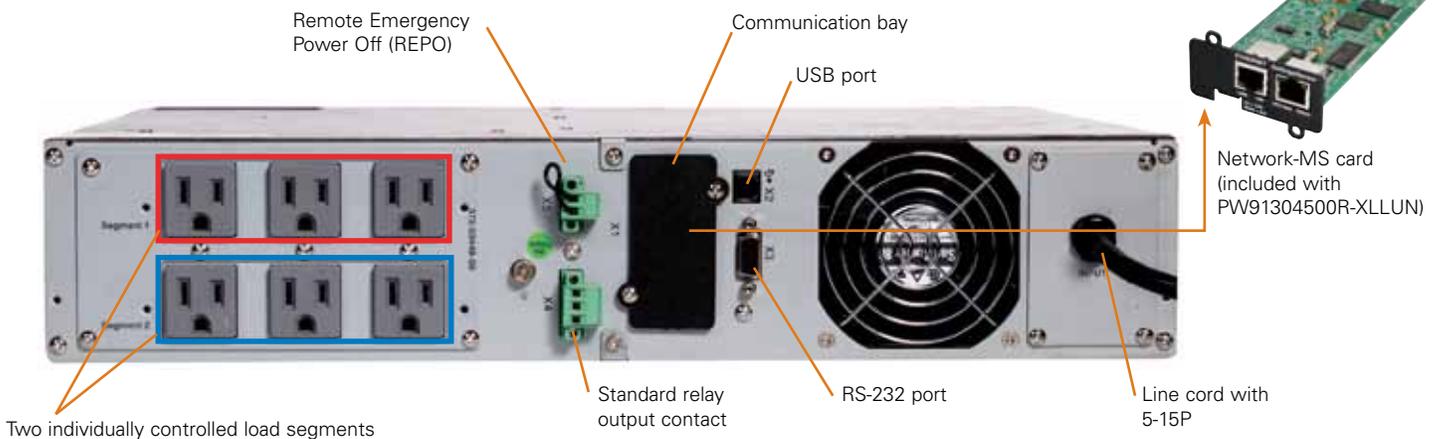
Optional FlexPDU and HotSwap MBP for greater flexibility and uptime

Four-post rail kit included (two-post rail kit optional)



Microsoft Partner Network

UPS rear panel (PW9130L1500R-XL2U)



9130 models

Catalog number	Style number	Rating (VA/Watts)	Input connection ¹	Output receptacles	Dimensions H x W x D, in	Weight, lb
North American models: 120V, 50/60 Hz						
PW9130L700R-XL2U	103006447-6591	700/630	5-15P	(6) 5-15R	3.4 x 17.2 x 17.7	35.3
PW9130L1000R-XL2U	103006448-6591	1000/900	5-15P	(6) 5-15R	3.4 x 17.2 x 17.7	35.3
PW9130L1500R-XL2U	103006449-6591	1500/1350	5-15P	(6) 5-15R	3.4 x 17.2 x 17.7	43.0
PW9130L2000R-XL2U	103006450-6591	2000/1800	5-20P	(6) 5-20R, (1) L5-20R	3.4 x 17.2 x 23.6	63.9
PW9130L2500R-XL2U	103006451-6591	2500/2250	L5-30P	(6) 5-20R, (1) L5-30R	3.4 x 17.2 x 23.6	65.0
PW9130L3000R-XL2U	103006452-6591	3000/2700	L5-30P	(6) 5-20R, (1) L5-30R	3.4 x 17.2 x 23.6	65.0
PW9130L1500R-XL2UN	1500 / 1350	5-15P		(6) 5-15R	3.4 (2U) x 17.3 x 16.9	43.0
PW9130L2000R-XL2UN	2000 / 1800	5-20P		(6) 5-20R, (1) L5-20R	3.4 (2U) x 17.3 x 22.6	63.9
PW9130L3000R-XL2UN	3000 / 2700	L5-30P		(6) 5-20R, (1) L5-30R	3.4 (2U) x 17.3 x 22.6	65.0

Global models: 208V, 50/60 Hz						
PW9130G3000R-XL2U	103006454-6591	3000/2700	L6-20P ⁴	(1) L6-30R, (1) L6-20R, (2) 6-20R	3.4 x 17.2 x 23.6	65.0
PW9130G3000R-XL2UEU	103006483-6591	3000/2700	L6-20P ⁴	(8) C13, (1) C19	3.4 x 17.2 x 23.6	65.0

International models: 230V, 50/60 Hz						
PW9130i1000R-XL2U	103006455-6591	1000/900	C14	(6) C13	3.4 x 17.2 x 17.7	35.3
PW9130i1500R-XL2U	103006456-6591	1500/1350	C14	(6) C13	3.4 x 17.2 x 17.7	43.0
PW9130i2000R-XL2U	103006457-6591	2000/1800	C14	(8) C13, (1) C19	3.4 x 17.2 x 23.6	63.9
PW9130i3000R-XL2U	103006463-6591	3000/2700	C20	(8) C13, (1) C19	3.4 x 17.2 x 23.6	65.0

Extended battery modules						
PW9130N1000R-EBM2U5	103006458-6591	NA	NA	NA	3.4 x 17.2 x 17.7	48.7
PW9130N1500R-EBM2U6	103006459-6591	NA	NA	NA	3.4 x 17.2 x 17.7	62.0
PW9130N3000R-EBM2U7	103006460-6591	NA	NA	NA	3.4 x 17.2 x 23.6	90.6

TAA Compliant SKUS Eaton now offers TAA compliant models for the 9130. Please visit Eaton.com/taaup for model specific information.

Catalog number	Description	Input connection	Output receptacles	Dimensions H x W x D, in	Weight, lb
PowerPass Distribution Modules					
103002730-6501	PPDM1-HV-US-P2 3 kVA	IEC320-C208	(1) L5-30R & (6) 5-20R	3.5 (2U) x 17.0 x 23.9	20.0
103002732-6591	PPDM1-HV-US-HW 3 kVA (ROHS)	Hardwire	Hardwire	3.5 (2U) x 17.0 x 23.9	20.0
103002735-6591	PPDM2-LV-US-HW 3 kVA (ROHS)	Hardwire	Hardwire	3.5 (2U) x 17.0 x 23.9	20.0
103002739-6591	PPDM1-HV-US-P1 3 kVA (ROHS)	IEC320-C208	(1) L14-30R & (6) 5-20R	3.5 (2U) x 17.0 x 23.9	20.0
103002742-6501	PPDM2-LV-US-P1 3 kVA	L5-30P8	(1) L5-30R & (6) 5-20R	3.5 (2U) x 17.0 x 23.9	20.0

1. Input cord length is 6 ft. 2. Rack models occupy 2U of rack space and fit into 19-inch racks. 3. C14, w/detachable L6-20P. 4. C20, w/detachable L6-20P. 5. This EBM works with 700/1000 VA models, where available. 6. This EBM works with 1500 VA model. 7. This EBM works with 2000/2500/3000 VA models, where available. 8. Connection cables to the UPS are included with the PPDM; use the input cord from the UPS as input to the PPDM, except for hardwire units. **Additional notes:** When high voltage 9130 is used at 208V, derate power by 10% and 20% at 200V. When low voltage 9130 is used at 110V, derate power by 10% and 20% at 100V.

Battery runtimes (in minutes)

Load (VA/Watts)	Internal batteries	w/1 EBM	w/2 EBMs	w/3 EBMs	w/4 EBMs	Load (VA/Watts)	Internal batteries	w/1 EBM	w/2 EBMs	w/3 EBMs	w/4 EBMs
PW9130L700R-XL2U						PW9130L2000R-XL2U					
700/490	14	55	102	148	175	2000/1400	9	45	86	124	163
525/368	20	77	140	179	239	1500/1050	14	66	115	165	225
350/245	32	124	189	282	414	1000/700	26	101	185	251	343
175/123	64	200	395	552	739	500/350	52	197	353	481	629
PW9130L1000R-XL2U						PW9130L2500R-XL2U					
1000/700	10	40	73	108	149	2500/2250	7	31	59	87	119
750/525	13	58	101	152	219	1875/1688	10	43	81	121	154
500/350	24	85	172	249	304	1250/1125	17	65	120	163	203
250/175	48	190	310	451	569	625/563	40	145	228	363	491
PW9130L1500R-XL2U						PW9130L3000R-XL2U					
1500/1050	7	34	63	88	135	3000/2100	5	25	48	72	100
1125/788	11	44	84	129	210	2250/1575	8	37	72	102	137
750/525	18	79	148	207	267	1500/1050	13	60	100	165	223
375/263	38	167	278	475	540	750/525	34	138	228	326	438
PW9130i1500R-XL2U						PW9130G3000R-XL2U / PW9130G3000R-XL2UEU / PW9130i3000R-XL2U					
1500/1050	7	32	61	98	128	3000/2100	6	25	45	68	96
1125/788	11	47	83	126	195	2250/1575	8	34	70	96	130
750/525	18	81	143	208	262	1500/1050	14	62	92	156	211
375/263	38	171	298	416	564	750/525	34	130	212	355	442

Notes: Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc. Runtimes are shown at a 0.7 power factor.

Battery runtime

You can get up to five hours of battery runtime using the internal batteries and extended battery modules. For a detailed, interactive battery runtime chart, please visit: Eaton.com/9130.

Technical specifications¹

General		Communications	
User interface	Graphical LCD with blue backlight and text in English, French, German, Russian and Spanish	Serial port	RS-232 standard, for interface to power management software
LEDs	Four status-indicating LEDs	USB port	HID standard, for communicating with Windows 98, XP, ME and Vista computers
Topology	True online, double-conversion	Relay output	Common alarm standard
Diagnostics	Full system self-test	Communications slot	Optional communication slots (BD Slot, Mini-Slot)
UPS bypass	Automatic bypass	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
Dimensions	See models table on previous page	Environmental	
Rail kit	4-post rail kit included with all rackmount units	Safety markings	120/208V: UL, CUL, VCCI 230V: CE, GS
EBMs	Ship with a 4-post rail kit	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)
Remote Emergency Power-off (REPO)	Emergency shutdown control	Audible noise	<50 dB
Electrical input		Ambient operating temperature	0°C (32°F) to +40°C (104°F)
Nominal voltage	120V, 208V, 220–240V	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
Voltage range	120V: 90–138 Vac 208/230V: 160–276 Vac	Relative humidity	5–90% non-condensing
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 @208V, 10.9A @230V 3000: 14.4A @208V, 13.0A @230V	Heat dissipation for all voltages: 208–240V and 120V	
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	Normal Mode	700 VA: 350 BTUs/hr 1000 VA: 500 BTUs/hr 1500 VA: 750 BTUs/hr 2000 VA: 838 BTUs/hr 2500 VA: 1,047 BTUs/hr 3000 VA: 1,257 BTUs/hr
Frequency	50/60 Hz	Battery Mode	700 VA: 554 BTUs/hr 1000 VA: 674 BTUs/hr 1500 VA: 1,011 BTUs/hr 2000 VA: 1,348 BTUs/hr 2500 VA: 1,463 BTUs/hr 3000 VA: 1,755 BTUs/hr
Frequency range	45–65 Hz	Electrical output	
Power factor	0.9	On utility voltage regulation	±3% of nominal
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
Frequency regulation	±3% Hz online	Load crest factor	3 to 1
Load crest factor	3 to 1	Voltage waveform	Sine wave
Voltage waveform	Sine wave	Load segments	Two configurable, individually controlled receptacles
Load segments	Two configurable, individually controlled receptacles	Battery	
Battery type	VRLA 12V/9 Ah (both internal and external)	Battery type	VRLA 12V/9 Ah (both internal and external)
Battery runtime	>3 minutes with internal batteries @100% load	Battery runtime	>3 minutes with internal batteries @100% load
Battery replacement	Hot-swappable internal and external batteries	Battery replacement	Hot-swappable internal and external batteries
Start-on-battery	Allows start of UPS without utility input	Start-on-battery	Allows start of UPS without utility input

¹ Due to continuing product improvement programs, specifications are subject to change without notice.

The 9130 is part of the UPSgrade program

UPSgrade™

Eaton.com/UPSgrade

What's in the box

- Tower pedestals
- Four-post rail kit
- User manual CD
- Intelligent Power Software Suite CD
- Quick start guide
- USB cable
- RS-232 serial cable
- Phillips Head screw driver
- 2 IEC to IEC jumper cables (208V/230V models)

For more information about the 9130, visit Eaton.com/9130RM.

Comprehensive Eaton services available for 9130 Rack products

- Warranty+ extended warranties—3 or 5 years total
- On-site service plans for startups and preventive and corrective maintenance

Visit Eaton.com/9130RM for details.

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9130RFXA
October 2012

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