

# Eaton 9130 Rackmount UPS



## Features

- Protects against downtime, data loss and process interruption by providing continuous, clean power
- 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<sup>®</sup> 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<sup>®</sup> 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)

## 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

## 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
- Optional HotSwap Maintenance Bypass (MBP) enables the entire UPS to be serviced or replaced without interrupting power to loads
- Optional PowerPass<sup>®</sup> Distribution Modules (PPDMs) offer bypass and other features for maintenance or upgrade 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



Powering Business Worldwide





Hot-swappable internal batteries in only 2U



Add up to four EBMs for hours of runtime



Optional FlexPDU and HotSwap MBP for greater flexibility and uptime

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



## 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
- Free NetWatch 5.0 software enables automatic shutdown of UPS-protected devices, including virtualized servers
- 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

For more information on the 9130, please visit [www.eaton.com/9130rm](http://www.eaton.com/9130rm) or call **800.356.5794**.

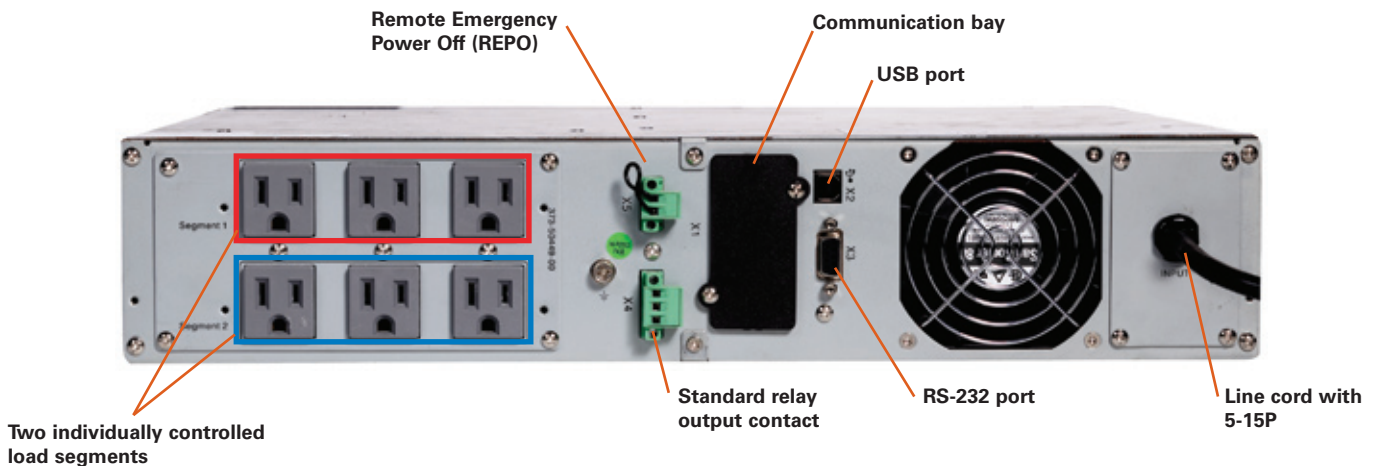


Eaton NetWatch Client 5.0 has tested compatible with Cisco Unified Communications Manager 4.3. Go to [www.eaton.com/PQ/cisco](http://www.eaton.com/PQ/cisco) for disclaimer.

## 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 [www.eaton.com/9130rm](http://www.eaton.com/9130rm) for details.



UPS rear panel (PW9130L1500R-XL2U)

## Battery runtimes (in minutes)

Load (VA/Watts)	Internal batteries	w/1 EBM	w/2 EBMs	w/3 EBMs	w/4 EBMs
<b>PW9130L700R-XL2U</b>					
700/490	14	55	102	148	175
525/368	20	77	140	179	239
350/245	32	124	189	282	414
175/123	64	200	395	552	739
<b>PW9130L1000R-XL2U</b>					
1000/700	10	40	73	108	149
750/525	13	58	101	152	219
500/350	24	85	172	249	304
250/175	48	190	310	451	569
<b>PW9130G1000R-XL2U / XL2UEU / PW9130i1000R-XL2U</b>					
1000/700	10	40	78	110	150
750/525	13	55	103	151	223
500/350	22	82	186	250	312
250/175	47	190	328	431	584
<b>PW9130L1500R-XL2U</b>					
1500/1050	7	34	63	88	135
1125/788	11	44	84	129	210
750/525	18	79	148	207	267
375/263	38	167	278	475	540
<b>PW9130i1500R-XL2U</b>					
1500/1050	7	32	61	98	128
1125/788	11	47	83	126	195
750/525	18	81	143	208	262
375/263	38	171	298	416	564
<b>PW9130L2000R-XL2U</b>					
2000/1400	9	45	86	124	163
1500/1050	14	66	115	165	225
1000/700	26	101	185	251	343
500/350	52	197	353	481	629

Load (VA/Watts)	Internal batteries	w/1 EBM	w/2 EBMs	w/3 EBMs	w/4 EBMs
<b>PW9130G2000R-XL2U / PW9130G2000R-XL2UEU / PW9130i2000R-XL2U</b>					
2000/1400	9	46	83	118	163
1500/1050	13	64	118	170	221
1000/700	25	95	190	242	345
500/350	53	205	346	488	625
<b>PW9130L2500R-XL2U</b>					
2500/2250	7	31	59	87	119
1875/1688	10	43	81	121	154
1250/1125	17	65	120	163	203
625/563	40	145	228	363	491
<b>PW9130G2500R-XL2U / PW9130G2500R-XL2UEU</b>					
2500/2250	7	31	59	87	119
1875/1688	10	43	81	121	154
1250/1125	17	65	120	163	203
625/563	40	145	228	363	491
<b>PW9130L3000R-XL2U</b>					
3000/2100	5	25	48	72	100
2250/1575	8	37	72	102	137
1500/1050	13	60	100	165	223
750/525	34	138	228	326	438
<b>PW9130G3000R-XL2U / PW9130G3000R-XL2UEU / PW9130i3000R-XL2U</b>					
3000/2100	6	25	45	68	96
2250/1575	8	34	70	96	130
1500/1050	14	62	92	156	211
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.

## 9130 models

Catalog number	Style number	Rating (VA/Watts)	Input connection <sup>1</sup>	Output receptacles	Dimensions H x W x D, in (mm) <sup>2</sup>	Weight, lb (kg)
<b>North American models: 120V, 50/60 Hz</b>						
PW9130L700R-XL2U	103006447-6591	700/630	5-15P	(6) 5-15R	3.4 x 17.2 x 17.7 (87 x 438 x 450)	35.3 (16.0)
PW9130L1000R-XL2U	103006448-6591	1000/900	5-15P	(6) 5-15R	3.4 x 17.2 x 17.7 (87 x 438 x 450)	35.3 (16.0)
PW9130L1500R-XL2U	103006449-6591	1500/1350	5-15P	(6) 5-15R	3.4 x 17.2 x 17.7 (87 x 438 x 450)	43.0 (19.5)
PW9130L2000R-XL2U	103006450-6591	2000/1800	5-20P	(6) 5-20R, (1) L5-20R	3.4 x 17.2 x 23.6 (87 x 438 x 600)	63.9 (29.0)
PW9130L2500R-XL2U	103006451-6591	2500/2250	L5-30P	(6) 5-20R, (1) L5-30R	3.4 x 17.2 x 23.6 (87 x 438 x 600)	65.0 (29.5)
PW9130L3000R-XL2U	103006452-6591	3000/2700	L5-30P	(6) 5-20R, (1) L5-30R	3.4 x 17.2 x 23.6 (87 x 438 x 600)	65.0 (29.5)
<b>Global models: 208V, 50/60 Hz</b>						
PW9130G1000R-XL2U	103006461-6591	1000/900	L6-20P <sup>3</sup>	(1) L6-20R, (2) 6-20R	3.4 x 17.2 x 17.7 (87 x 438 x 450)	35.3 (16.0)
PW9130G2000R-XL2U	103006462-6591	2000/1800	L6-20P <sup>3</sup>	(1) L6-20R, (4) 6-20R	3.4 x 17.2 x 23.6 (87 x 438 x 600)	63.9 (29.0)
PW9130G2500R-XL2U	103006453-6591	2500/2250	L6-20P <sup>4</sup>	(1) L6-30R, (1) L6-20R, (2) 6-20R	3.4 x 17.2 x 23.6 (87 x 438 x 600)	65.0 (29.5)
PW9130G3000R-XL2U	103006454-6591	3000/2700	L6-20P <sup>4</sup>	(1) L6-30R, (1) L6-20R, (2) 6-20R	3.4 x 17.2 x 23.6 (87 x 438 x 600)	65.0 (29.5)
PW9130G1000R-XL2UEU	103006480-6591	1000/900	L6-20P <sup>3</sup>	(6) C13	3.4 x 17.2 x 17.7 (87 x 438 x 450)	35.3 (16.0)
PW9130G2000R-XL2UEU	103006481-6591	2000/1800	L6-20P <sup>3</sup>	(8) C13, (1) C19	3.4 x 17.2 x 23.6 (87 x 438 x 600)	63.9 (29.0)
PW9130G2500R-XL2UEU	103006482-6591	2500/2250	L6-20P <sup>4</sup>	(8) C13, (1) C19	3.4 x 17.2 x 23.6 (87 x 438 x 600)	65.0 (29.5)
PW9130G3000R-XL2UEU	103006483-6591	3000/2700	L6-20P <sup>4</sup>	(8) C13, (1) C19	3.4 x 17.2 x 23.6 (87 x 438 x 600)	65.0 (29.5)
<b>International models: 230V, 50/60 Hz</b>						
PW9130i1000R-XL2U	103006455-6591	1000/900	C14	(6) C13	3.4 x 17.2 x 17.7 (87 x 438 x 450)	35.3 (16.0)
PW9130i1500R-XL2U	103006456-6591	1500/1350	C14	(6) C13	3.4 x 17.2 x 17.7 (87 x 438 x 450)	43.0 (19.5)
PW9130i2000R-XL2U	103006457-6591	2000/1800	C14	(8) C13, (1) C19	3.4 x 17.2 x 23.6 (87 x 438 x 600)	63.9 (29.0)
PW9130i3000R-XL2U	103006463-6591	3000/2700	C20	(8) C13, (1) C19	3.4 x 17.2 x 23.6 (87 x 438 x 600)	65.0 (29.5)
<b>Extended battery modules</b>						
PW9130N1000R-EBM2U <sup>5</sup>	103006458-6591	NA	NA	NA	3.4 x 17.2 x 17.7 (87 x 438 x 450)	48.7 (22.1)
PW9130N1500R-EBM2U <sup>6</sup>	103006459-6591	NA	NA	NA	3.4 x 17.2 x 17.7 (87 x 438 x 450)	62.0 (28.1)
PW9130N3000R-EBM2U <sup>7</sup>	103006460-6591	NA	NA	NA	3.4 x 17.2 x 23.6 (87 x 438 x 600)	90.6 (41.1)

Catalog number	Description	Input connection	Output receptacles	Dimensions H x W x D, in	Weight, lb
<b>PowerPass Distribution Modules</b>					
103002730-6501	PPDM1-HV-US-P2 3 kVA	IEC320-C20 <sup>8</sup>	(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-C20 <sup>8</sup>	(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	L5-30P <sup>8</sup>	(1) L5-30R & (6) 5-20R	3.5 (2U) x 17.0 x 23.9	20.0

<sup>1</sup> Input cord length is 6 ft

<sup>2</sup> Rack models occupy 2U of rack space and fit into 19-inch racks

<sup>3</sup> C14, w/detachable L6-20P

<sup>4</sup> C20, w/detachable L6-20P

<sup>5</sup> This EBM works with 700/1000 VA models, where available

<sup>6</sup> This EBM works with 1500 VA model

<sup>7</sup> This EBM works with 2000/2500/3000 VA models, where available

<sup>8</sup> 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.

# Technical specifications<sup>1</sup>

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	<b>Environmental</b>	
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 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 through the REPO port	Audible noise	<50 dB
<b>Electrical input</b>		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	<b>Heat dissipation for all voltages: 208–240V and 120V</b>	
Dedicated circuit breaker rating	<b>120V:</b> 700–1500 VA: 15A 2000 VA: 20A 2500–3000 VA: 30A <b>208/230V:</b> 700–2000 VA: 10A 3000 VA: 16A	<b>9130 model</b>	<b>Normal mode, BTUs/hr</b>
Frequency	50/60 Hz	<b>700 VA</b>	350
Frequency range	45–65 Hz	<b>1000 VA</b>	500
<b>Electrical output</b>		<b>1500 VA</b>	750
Power factor	0.9	<b>2000 VA</b>	838
On utility voltage regulation	±3% of nominal	<b>2500 VA</b>	1,047
On battery voltage regulation	±3% of nominal	<b>3000 VA</b>	1,257
Efficiency	>95% in high-efficiency mode; >86% in online mode	<b>On battery, BTUs/hr</b>	554
Frequency regulation	±3% Hz online		674
Load crest factor	3 to 1		1,011
Voltage waveform	Sine wave		1,348
Load segments	Two configurable, individually controlled receptacles		1,463
<b>Battery</b>			1,755
Battery type	VRLA 12V/9 Ah (both internal and external)		
Battery runtime	>3 minutes with internal batteries @100% load		
Battery replacement	Hot-swappable internal and external batteries		
Start-on-battery	Allows start of UPS without utility input		

<sup>1</sup> Due to continuing product improvement programs, specifications are subject to change without notice.

The 9130 is part of the UPSgrade program

**UPSgrade™**

[www.eaton.com/UPSgrade](http://www.eaton.com/UPSgrade)



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Italy: 39.02.66.04.05.40  
Norway: 47.23.03.65.50  
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