

# Eaton 9130 Tower UPS



## Product snapshot

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

## Features

- Protects against downtime, data loss and process interruption by providing continuous, clean power
- Expands monitoring, management and continuous uptime capabilities with the Intelligent Power® Software Suite—perfect for virtualized environments
- 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
- Conserves valuable space with a slim tower design
- Provides a two-year limited warranty, an extended warranty 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 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

## 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



Bright LCD user interface



Add up to four EBMs for hours of runtime



Optional FlexPDU and HotSwap MBP for greater flexibility and uptime

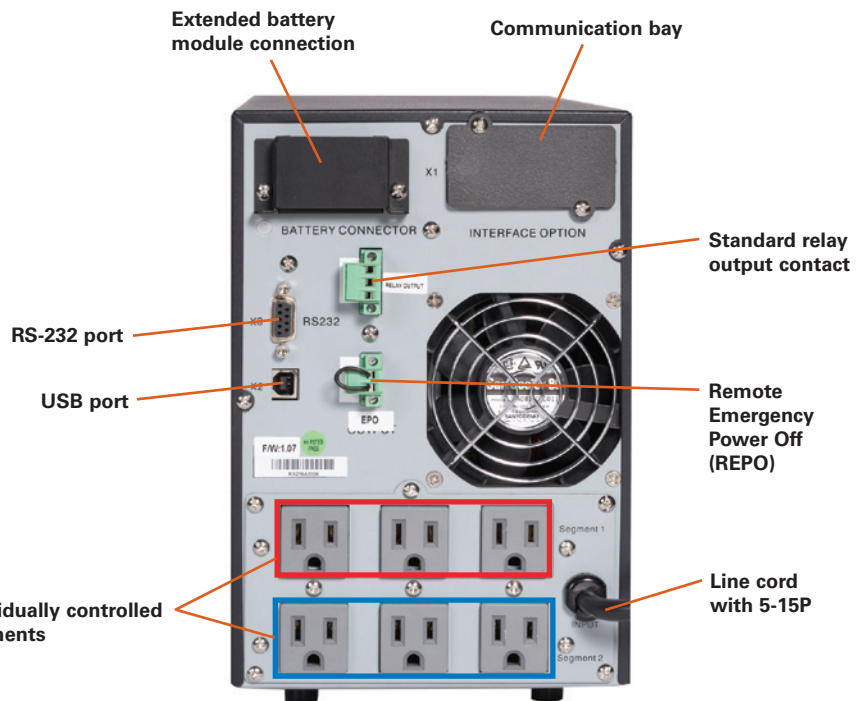
## UPS status and operation

- Free Intelligent Power Software Suite for expanded monitoring, management and shutdown capabilities (compatible with VMware vCenter Server™ and Microsoft SCVMM™)
- Bright, front panel LCD for easy monitoring and management
- LEDs to show system status
- Direct monitoring via existing management systems and LANs
- Optional FlexPDU adds more plug-and-play flexibility, streamlining power distribution

## Communications

- A standard communication slot accepts cards 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 and virtual machines running various operating systems
- Receive alarm notifications from the UPS, environmental monitoring devices, security systems or through your vCenter dashboard

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



UPS rear panel (PW9130L1500T-XL)

## 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
<b>PW9130L700T</b>						<b>PW9130i1500T-XL</b>					
700/490	8	N/A	N/A	N/A	N/A	1500/1050	7	32	61	98	128
525/368	12	N/A	N/A	N/A	N/A	1125/788	11	47	83	126	195
350/245	21	N/A	N/A	N/A	N/A	750/525	18	81	143	208	262
175/123	37	N/A	N/A	N/A	N/A	375/263	38	171	298	416	564
<b>PW9130i700T</b>						<b>PW9130L2000T-XL</b>					
700/490	8	N/A	N/A	N/A	N/A	2000/1400	15	61	111	156	194
525/368	12	N/A	N/A	N/A	N/A	1500/1050	21	81	145	184	269
350/245	19	N/A	N/A	N/A	N/A	1000/700	34	129	198	293	410
175/123	35	N/A	N/A	N/A	N/A	500/350	72	225	449	590	766
<b>PW9130L1000T-XL</b>						<b>PW9130G2000T-XL / XLEU / PW9130i2000T-XL</b>					
1000/700	10	40	73	108	149	2000/1400	15	61	111	156	186
750/525	13	58	101	152	219	1500/1050	21	81	145	184	248
500/350	24	85	172	249	304	1000/700	34	129	198	293	431
250/175	48	190	310	451	569	500/350	72	225	449	590	840
<b>PW9130G1000T-XL / PW9130i1000T-XL</b>						<b>PW9130L3000T-XL</b>					
1000/700	10	40	78	110	150	3000/2100	9	35	66	95	132
750/525	13	55	103	151	223	2250/1575	13	53	100	139	183
500/350	22	82	186	250	312	1500/1050	22	86	153	221	267
250/175	47	190	328	431	584	750/525	69	168	298	395	545
<b>PW9130L1500T-XL</b>						<b>PW9130G3000T-XL / XLEU / PW9130i3000T-XL</b>					
1500/1050	7	34	63	88	135	3000/2100	9	36	68	101	137
1125/788	11	44	84	129	210	2250/1575	12	49	90	134	165
750/525	18	79	148	207	267	1500/1050	20	79	143	180	240
375/263	38	167	278	475	540	750/525	46	161	267	434	547

### 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)	Weight, lb (kg)
<b>North American models: 120V, 50/60 Hz</b>						
PW9130L700T	103006426-6591	700/630	5-15P	(6) 5-15R	9.1 x 6.3 x 13.8 (230 x 160 x 350)	26.9 (12.2)
PW9130L1000T-XL	103006427-6591	1000/900	5-15P	(6) 5-15R	9.1 x 6.3 x 15.0 (230 x 160 x 380)	32.0 (14.5)
PW9130L1500T-XL	103006428-6591	1500/1350	5-15P	(6) 5-15R	9.1 x 6.3 x 16.9 (230 x 160 x 430)	41.9 (19.0)
PW9130L2000T-XL	103006429-6591	2000/1800	5-20P	(1) L5-20R, (4) 5-20R	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
PW9130L3000T-XL	103006430-6591	3000/2700	L5-30P	(4) 5-20R, (1) L5-30R	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
<b>Global models: 208V, 50/60 Hz</b>						
PW9130G1000T-XL	103006431-6591	1000/900	L6-20P <sup>3</sup>	(1) L6-20R, (2) 6-20R	9.1 x 6.3 x 15.0 (230 x 160 x 380)	32.0 (14.5)
PW9130G2000T-XL	103006432-6591	2000/1800	L6-20P <sup>3</sup>	(1) L6-20R, (4) 6-20R	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
PW9130G2000T-XLEU	103006478-6591	2000/1800	L6-20P <sup>3</sup>	(8) C13, (1) C19	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
PW9130G3000T-XL	103006446-6591	3000/2700	L6-20P <sup>3</sup>	(1) L6-30R, (1) L6-20R, (2) 6-20R	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
PW9130G3000T-XLEU	103006479-6591	3000/2700	L6-20P <sup>3</sup>	(8) C13, (1) C19	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
<b>International models: 230V, 50/60 Hz</b>						
PW9130i700T	103006433-6591	700/630	C14	(6) C13	9.1 x 6.3 x 13.8 (230 x 160 x 350)	26.9 (12.2)
PW9130i1000T-XL	103006434-6591	1000/900	C14	(6) C13	9.1 x 6.3 x 15.0 (230 x 160 x 380)	32.0 (14.5)
PW9130i1500T-XL	103006435-6591	1500/1350	C14	(6) C13	9.1 x 6.3 x 16.9 (230 x 160 x 430)	41.9 (19.0)
PW9130i2000T-XL	103006436-6591	2000/1800	C14	(8) C13, (1) C19	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
PW9130i3000T-XL	103006437-6591	3000/2700	C20	(8) C13, (1) C19	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
<b>Extended battery modules</b>						
PW9130N1000T-EBM <sup>4</sup>	103006438-6591	NA	NA	NA	9.1 x 6.3 x 15.0 (230 x 160 x 380)	40.8 (18.5)
PW9130N1500T-EBM <sup>5</sup>	103006439-6591	NA	NA	NA	9.1 x 6.3 x 16.9 (230 x 160 x 430)	53.6 (24.3)
PW9130N3000T-EBM <sup>6</sup> (50.0)	103006440-6591	NA	NA	NA	12.8 x 8.4 x 16.1 (325 x 214 x 410)	110.3

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

<sup>2</sup> C14, w/detachable L6-20P

<sup>3</sup> C20, w/detachable L6-20P

<sup>4</sup> This EBM works with 1000 VA model, where available

<sup>5</sup> This EBM works with 1500 VA model

<sup>6</sup> This EBM works with 2000/3000 VA models, where available

### 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

### Comprehensive Eaton services available for 9130 Tower products

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

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

# 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 slot (Mini-Slot) 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		
Remote Emergency Power-off (REPO)	Emergency shutdown control through the REPO port		
Electrical input		Environmental	
Nominal voltage	120V, 208V, 220–240V	Safety markings	120/208V: UL, CUL, VCCI 230V: CE, GS
Voltage range	120V: 90–138 Vac 208/230V: 160–276 Vac	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)
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 3000: 14.4A @208V, 13.0A @230V	Audible noise	<50 dB
Dedicated circuit breaker rating	<b>120V:</b> 700–1500 VA: 15A 2000 VA: 20A 3000 VA: 30A <b>208/230V:</b> 700–2000 VA: 10A 3000 VA: 16A	Ambient operating temperature	0°C (32°F) to +40°C (104°F)
Frequency	50/60 Hz	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
Frequency range	45–65 Hz	Relative humidity	5–90% non-condensing
Electrical output		<b>Heat dissipation for all voltages: 208–240V and 120V</b>	
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		
Voltage waveform	Sine wave		
Load segments	Two configurable, individually controlled receptacles		
Battery			
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		

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
3000 VA	1,257	1,755

<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**<sup>™</sup>

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

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