



Eaton 5P Tower UPS

Enterprise class battery backup in a space-saving tower design for network closets and computer rooms.

Space-saving: The Eaton 5P tower provides premium protection while conserving value space in multiple, slim tower designs.

Efficiency: The 5P provides industry leading efficiency of up to 99 percent.

Manageability:

- **UPS management:** By integrating Eaton's free Intelligent Power® Software Suite, you can monitor and manage the power devices on your network.
- **Energy metering:** The 5P meters energy consumption at the UPS level.

LCD display: Eaton's next-generation LCD offers a graphical interface which provides all critical UPS information in a single screen view.

More power: The 5P protects more devices by providing 20 percent more wattage compared to traditional UPSs.

Battery life: Eaton's exclusive ABM® technology increases battery service life by 50 percent.

ENERGY STAR®: 5P 2200 and 3000 VA tower models are ENERGY STAR® qualified. ENERGY STAR helps consumers save money and protect the environment through energy efficient products and practices.



Intelligent Power Software Suite

By integrating the software with the Eaton 5P, 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
- Execute graceful shutdown of computers and virtual machines/servers during an extended power outage

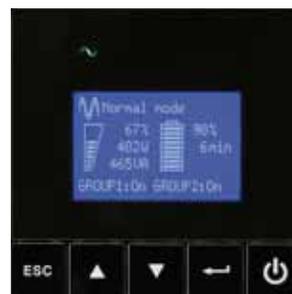
To learn more, please visit: Eaton.com/intelligentpower

Services and support

Eaton provides product support 24 hours a day, 7 days a week. From battery replacement to full UPS service plans, Eaton has one of the top service models in the industry.

Three-year warranty

The 5P warranty covers both the UPS and the batteries for three years. No other manufacturer in the industry offers as comprehensive a warranty.



5P TOWER MODEL SELECTION GUIDE*

Catalog number	Rating (VA/watts)	Input connection	Output receptacles	Dimensions (H x W x D), in	Net weight, lb
Tower 120V 50/60 Hz models					
5P750	750/600	5-15P	(8) 5-15R	9.1 x 5.9 x 13.6	22.7
5P1000	1000/770	5-15P	(8) 5-15R	9.1 x 5.9 x 13.6	24.4
5P1500	1440/1100	5-15P	(8) 5-15R	9.1 x 5.9 x 17.5	35.3
5P2200	1950/1920	5-20P	(4) 5-20R, (4) 5-15R	3.4 x 17.4 x 20.6	65.0
5P3000	3000/2700	L5-30P	(6) 5-20R, (1) L5-30R	3.4 x 17.4 x 25.4	87.0
Tower 208 or 230V 50/60 Hz models					
5P850G	850/600	C14	(6) C13	9.1 x 5.9 x 13.6	21.9
5P1550G	1550/1100	C14	(8) C13	9.1 x 5.9 x 17.5	35.2

*Due to continuous product improvement programs, all specifications are subject to change without notice. Please visit Eaton.com/5P to view complete and updated product specifications.

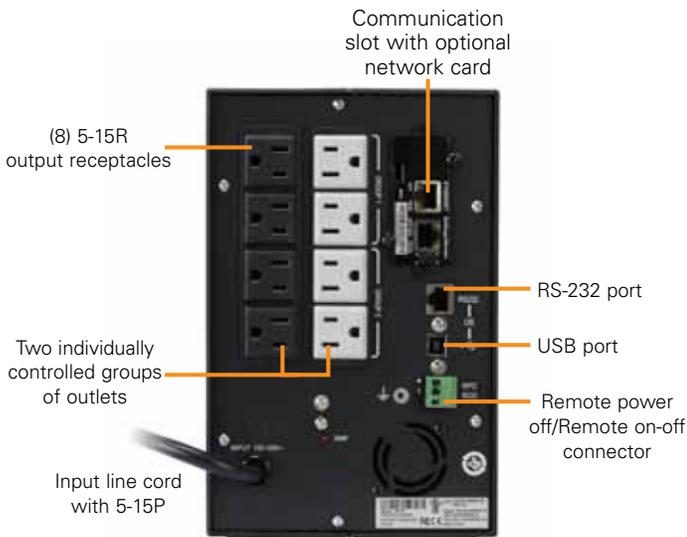
Additional options

Connectivity	Catalog number	For use with
Network Card-MS	NETWORK-MS	All models
Relay / Serial Interface Card	RELAY-MS	All models
Environmental Monitoring Probe	116750224-001	All models (requires Network Card-MS)

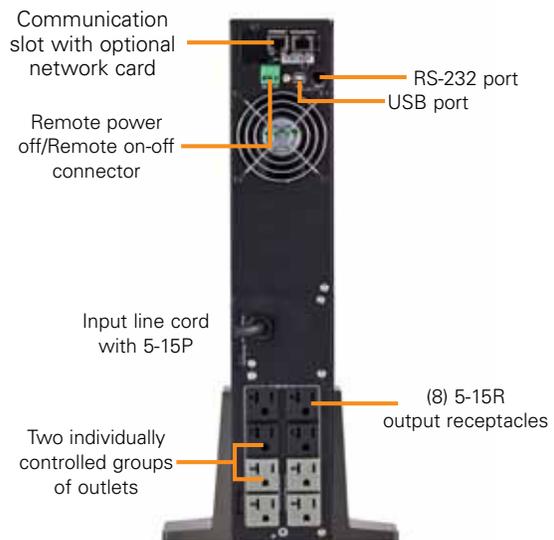
What's in the box

- User manual CD
 - Intelligent Power Software Suite CD
 - Quick start guide
 - USB cable
 - RS-232 cable
- G models only**
- 2 IEC-to-IEC jumper cables
- 2200/3000 models only**
- Tower pedestals and Phillips head screw driver

5P750 rear panel



5P2200 rear panel



To interact with the Eaton 5P Tower UPS, please visit: Eaton.com/5P



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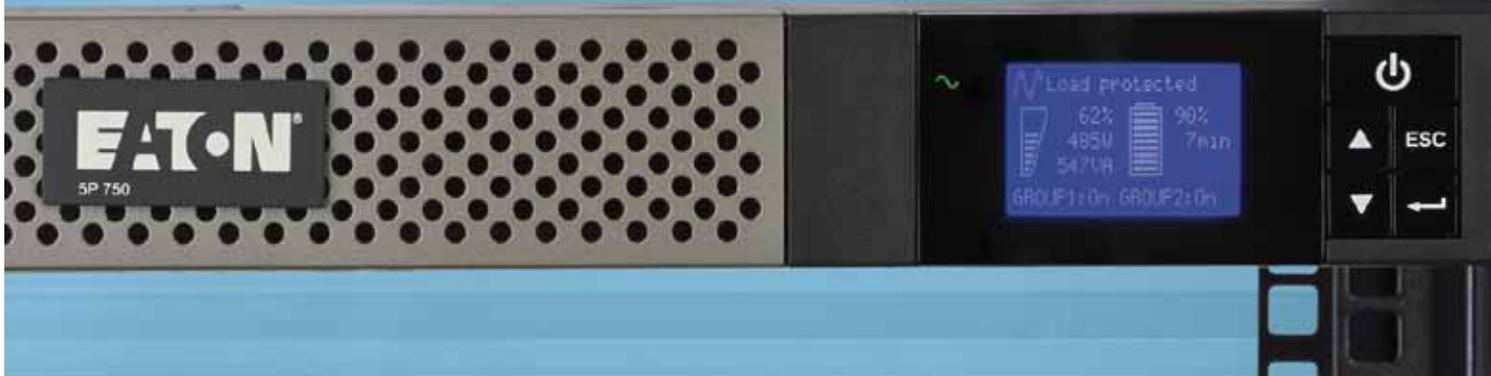


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Eaton 5P Rackmount UPS

Enterprise class battery backup for network closets and small data centers.

Flexibility: The Eaton 5P is available in space saving 1U and 2U rackmount configurations.

Efficiency: The 5P provides industry leading efficiency of up to 99 percent.

Manageability:

- **UPS management:** By integrating Eaton's free Intelligent Power® Software Suite, you can monitor and manage the power devices on your network.
- **Energy metering:** The 5P meters energy consumption at the UPS level.

LCD display: Eaton's next-generation LCD offers a graphical interface which provides all critical UPS information in a single screen view.

More power: The 5P protects more devices by providing 20 percent more wattage compared to traditional UPSs.

Battery life: Eaton's exclusive ABM® technology increases battery service life by 50 percent.

ENERGY STAR®: 5P 2U rackmount models are ENERGY STAR® qualified. ENERGY STAR helps consumers save money and protect the environment through energy efficient products and practices.



Intelligent Power Software Suite

By integrating software with the Eaton 5P, 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
- Execute graceful shutdown of computers and virtual machines/servers during an extended power outage

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

Services and support

Eaton provides product support 24 hours a day, 7 days a week. From battery replacement to full UPS service plans, Eaton has one of the top service models in the industry.

Three-year warranty

The 5P warranty covers both the UPS and the batteries for three years. No other manufacturer in the industry offers as comprehensive a warranty.



5P RACKMOUNT MODEL SELECTION GUIDE*

Catalog number	Rating (VA/watts)	Input connection	Output receptacles	Dimensions (H x W x D), in	Net weight, lb
2U Rackmount, 120V, 50/60 Hz models**					
5P1500RT	1440/1440	5-15P	(8) 5-15R	3.4 (2U) x 17.4 x 20.6	65.0
5P2200RT	1950/1920	5-20P	(4) 5-15R, (4) 5-20R	3.4 (2U) x 17.4 x 20.6	65.0
5P3000RT	3000/2700	L5-30P	(3) 5-15R, (3) 5-20R, (1) L5-30R	3.4 (2U) x 17.4 x 25.4	87.0
1U Rackmount, 120V, 50/60 Hz models					
5P550R	550/420	5-15P	(5) 5-15R	1.7 (1U) x 17.2 x 14.3	17.8
5P750R	750/600	5-15P	(5) 5-15R	1.7 (1U) x 17.2 x 20.0	30.6
5P1000R	1000/770	5-15P	(5) 5-15R	1.7 (1U) x 17.2 x 20.0	32.5
5P1500R	1440/1100	5-15P	(5) 5-15R	1.7 (1U) x 17.2 x 21.8	43.5
1U Global Rackmount, 208/230V, 50/60 Hz models					
5P850GR	850/600	C14	(4) C13	1.7 (1U) x 17.2 x 20.0	30.4
5P1550GR	1550/1100	C14	(6) C13	1.7 (1U) x 17.2 x 21.8	42.7

*Due to continuous product improvement programs, all specifications are subject to change without notice. Please visit Eaton.com/5Prm to view complete and updated product specifications.

**Catalog numbers that end in RT can be used in both rackmount or tower configurations.

Options

Connectivity	Catalog number	For use with
Network Card-MS	NETWORK-MS	All models
Relay / Serial Interface Card	RELAY-MS	All models
Environmental Monitoring Probe	116750224-001	All models (requires Network Card-MS)

Mounting hardware

Mounting hardware	Catalog number	For use with
1U two-post rail kit (optional)	RK2PA	All 1U models except 5P550R
2U two-post rail kit (optional)	103007018-5591	All 2U models

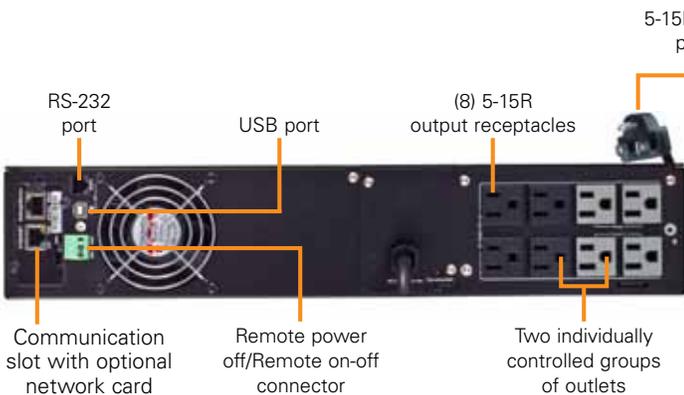
Power distribution & bypass

HotSwap Maintenance Bypass (MBP)	Catalog number	For use with
The HotSwap Maintenance Bypass allows you to exchange or service the UPS without shutting down the connected load	EHBPL1500R-PDU1U	5P550R, 5P750R, 5P1000R, 5P1500R, 5P1500RT
	EHBPL2000R-PDU1U	5P2200RT
	EHBPL3000R-PDU1U	5P3000RT

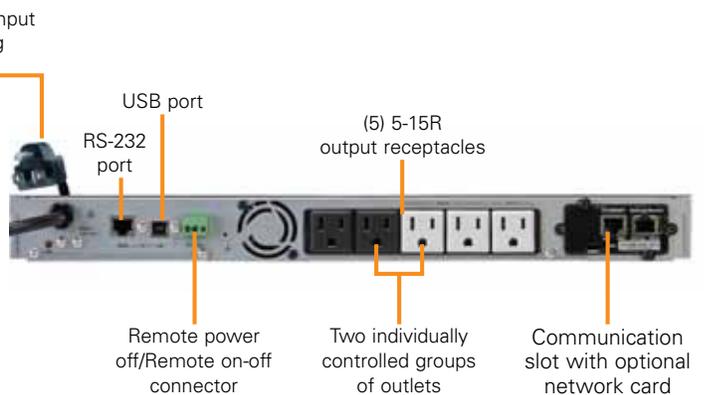
What's in the box

- User manual CD
 - Intelligent Power Software Suite CD
 - Quick start guide
 - Four-post rail kit (5P550R ears only)
 - Extra wall mounting ear (5P1500R & 5P1550GR)
 - USB cable
 - RS-232 cable
 - Tower pedestals (2U models only)
 - Phillips head screw driver (2U models only)
- G models only**
- 2 IEC-to-IEC jumper cables
 - Output cable locking system
 - Input cable locking system

5P 2U rear panel



5P 1U rear panel



To interact with the Eaton 5P rackmount UPS, please visit: Eaton.com/5Prm



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Eaton 5PX UPS

Enterprise class battery backup with extended runtime designed for virtualized environments.

5PX features and benefits:

Extended Runtime: Add up to four extended battery modules for maximum runtime.

Virtualization-ready: Available in convenient bundles with a network card and management software to make going virtual simple.

Efficiency: Provides industry leading efficiency of up to 99 percent.

Manageability:

- **Energy metering:** The 5PX meters energy consumption right down to the outlet segments. No other UPS in the industry offers this capability.
- **UPS management:** By integrating Eaton's free Intelligent Power® Software Suite, you can monitor and manage the power devices on your network.

LCD display: Eaton's next generation LCD offers a graphical interface which provides all critical UPS information in a single screen view.

More power: Protects more devices by providing 28 percent more wattage compared to traditional UPSs.

Battery life: Eaton's exclusive ABM® technology increases battery service life by 50 percent.

Intelligent Power Software Suite

By integrating the suite with the Eaton 5PX, 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

Services and support

Eaton provides product support 24 hours a day, 7 days a week. From battery replacement to full UPS service plans, Eaton has one of the top service models in the industry.

Three-year warranty

The 5PX warranty covers both the UPS and the batteries for three years. No other manufacturer in the industry offers as comprehensive a warranty.



The Eaton 5PX is an ENERGY STAR® qualified UPS. ENERGY STAR is intended to help consumers save money and protect the environment through energy efficient products and practices.



5PX MODEL SELECTION GUIDE*

Catalog Number	Rating (VA/Watts)	Input connection	Output receptacles	Dimensions (H x W x D), in	Net weight, lb
120V, 50/60 Hz					
5PX1000RT	1000/1000	5-15P	(8) 5-15R	3.4 x 17.4 x 20.6	62
5PX1500RT	1440/1440				65
5PX2200RT	1950/1920				65
5PX3000RT2U	3000/2700	L5-30P	(1) L5-30R (6) 5-20R	3.4 x 17.4 x 25.4	87
5PX3000RT3U					86
208V/230V, 50/60 Hz					
5PX1500iRT	1500/1350	C14-10A	(8) C13-10A	3.4 x 17.4 x 20.6	61
5PX2200iRT	2200/1980	C20-16A	(1) C19-16A		3.4 x 17.4 x 25.4
5PX3000iRT2U	3000/2700		(8) C13-10A	84	
120V, 50/60 Hz Virtualization-ready bundles with Network Card-MS					
5PX1500RTN	1440 / 1440	5-15P	(8) 5-15R	3.4 x 17.4 x 20.6	65
5PX2200RTN	1950 / 1920	5-20P	(8) 5-20R	3.4 x 17.4 x 20.6	65
5PX3000RTN	3000 / 2700	L5-30P	(6) 5-20R, (1) L5-30R	3.4 x 17.4 x 25.4	87
208/230V, 50/60 Hz Virtualization-ready bundles with Network Card-MS					
5PX3000iRTN	3000 / 2700	C20	(8) C13, (1) C19	3.4 x 17.4 x 25.4	84
Extended Battery Modules					
	DC voltage	For use with	Max qty / UPS	Dimensions (H x W x D), in	Net weight, lb
5PXEBM48RT	48V	All 1000, 1500 & 2200 models	4	3.4 x 17.4 x 20.6	72
5PXEBM72RT2U	72V	All 3000 2U models		3.4 x 17.4 x 25.4	102
5PXEBM72RT3U		All 3000 3U models		5.1 x 17.4 x 19.6	98

*Due to continuous product improvement programs, all specifications are subject to change without notice. Please visit Eaton.com/5PX to view complete and updated product specifications.

Additional Options	Catalog Number	For use with
Connectivity		
Network Card-MS	NETWORK-MS	All models*
Environmental Monitoring Probe	116750224-001	All models (requires Network Card-MS)
Power Distribution & Bypass		
HotSwap Maintenance Bypass (MBP) The HotSwap Maintenance Bypass allows you to exchange or service the UPS without shutting down the connected load	EHBPL1500R-PDU1U	All 1000 & 1500 models
	EHBPL2000R-PDU1U	All 2200 models
	EHBPL3000R-PDU1U	All 3000 models
Mounting Hardware		
2-post rail kit	103007018-5591	All models

* Network Card-MS is included with catalog numbers 5PX1500RTN, 5PX2200RTN, 5PX3000RTN and 5PX3000iRTN.

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)

5PX UPS rear panel (1000 & 1500 VA)



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/5PX - then view the individual technical pages for details of each UPS.

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Printed in USA
5PX01FXA
December 2012

To interact with the Eaton 5PX UPS, please visit:
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Eaton 5SC UPS

Affordable and reliable protection for small business servers, storage and network equipment

Eaton® 5SC features and benefits:

LCD display: The LCD interface provides clear status of UPS key parameters such as input and output voltage, load and battery level, and estimated runtime. Configuration capabilities are also offered for output voltage, audible alarm and power input sensitivity.

Battery life: Eaton's exclusive ABM® technology increases battery service life by 50 percent with easy front panel battery replacement to extend UPS service life.

Manageability:

- **USB, serial and relay connectivity:** USB port is HID-compliant for automatic integration into Windows, Mac OS and Linux.
- **Eaton Intelligent Power Manager (IPM):** IPM software provides network power management. 5SC is managed over the network through a proxy server having IPP installed.

Reliable power protection:

- **Pure sinewave output:** When operating in battery mode, the 5SC provides a high-quality output signal for any sensitive equipment connected.
- **Buck and boost operation:** The 5SC corrects a wide range of input voltage variations through continuous regulation without the use of batteries, and ensures consistent input voltage to the connected equipment.

Flexible integration:

- **Convenient form factor:** The 5SC fits easily into small spaces such as kiosks, cash machines and ticket machines while delivering flexibility with up to eight outlets.
- **Adjustable input waveform sensitivity:** The 5SC is adaptable to specific environments, like genset.

Intelligent Power Software Suite:

By integrating Intelligent Power Manager and Intelligent Power Protector software with the 5SC, you can:

- Get up-to-the-minute information on the status of UPS power locally on your PC or remotely through your PC/server as a proxy
- Execute graceful, automatic shutdown of network devices during a prolonged power disruption, preventing data loss and saving work-in-progress
- Manage and optimize power performance in your virtual environment and manage your 5SC on the same screen

To learn more, please visit:

Eaton.com/intelligentpower



Powering Business Worldwide



Eaton 5SC UPS

Ideal for protecting:

- Tower servers
- Network-attached storage (NAS), network equipment
- ATMs, ticket machines, kiosks

5SC UPS MODEL SELECTION GUIDE¹

Catalog number	Rating (VA/watts)	Input connection	Output receptacles	Dimensions (H x W x D), in	Net weight, lb
5SC Tower 120V, 50/60 Hz models					
5SC500	500/350	5-15P (6 ft)	(4) 5-15R	8.2 x 5.9 x 9.4	15.2
5SC750	750/525	5-15P (6 ft)	(6) 5-15R	8.2 x 5.9 x 13.4	23.1
5SC1000	1000/700	5-15P (6 ft)	(8) 5-15R	8.2 x 5.9 x 13.4	25.6
5SC1500	1440/1080	5-15P (6 ft)	(8) 5-15R	8.2 x 5.9 x 16.1	34.0
5SC Tower 230V 50/60 Hz models					
5SC500G	500/350	C14	(4) C13	8.2 x 5.9 x 9.4	15.0
5SC750G	750/525	C14	(6) C13	8.2 x 5.9 x 13.4	23.1
5SC1500G	1500/1050	C14	(8) C13	8.2 x 5.9 x 16.1	33.5

Services and support

Eaton provides product support 24 hours a day, 7 days a week. From battery replacement to full UPS service plans, Eaton has one of the top service models in the industry.

Three-year warranty

The 5SC warranty covers both UPS and the batteries for three years. No other manufacturer in the industry offers a warranty as comprehensive.

What's in the box

- 5SC UPS
- USB, serial cable and software
- Warranty for connected equipment
- User manual and safety instructions

G models only

- 2 IEC output power cords

5SC UPS front panel



5SC750 UPS rear panel²



¹ Due to continuing product improvement programs, specifications are subject to change without notice. For complete specifications and battery runtimes, visit Eaton.com/5SC.

² Model 5SC750

To interact with the 5SC UPS, please visit:
Eaton.com/5SC

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Eaton 9130 Tower UPS



Product snapshot

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



Powering Business Worldwide





Bright LCD user interface



Add up to four EBMs for hours of runtime



Optional FlexPDU and HotSwap MBP for greater flexibility and uptime

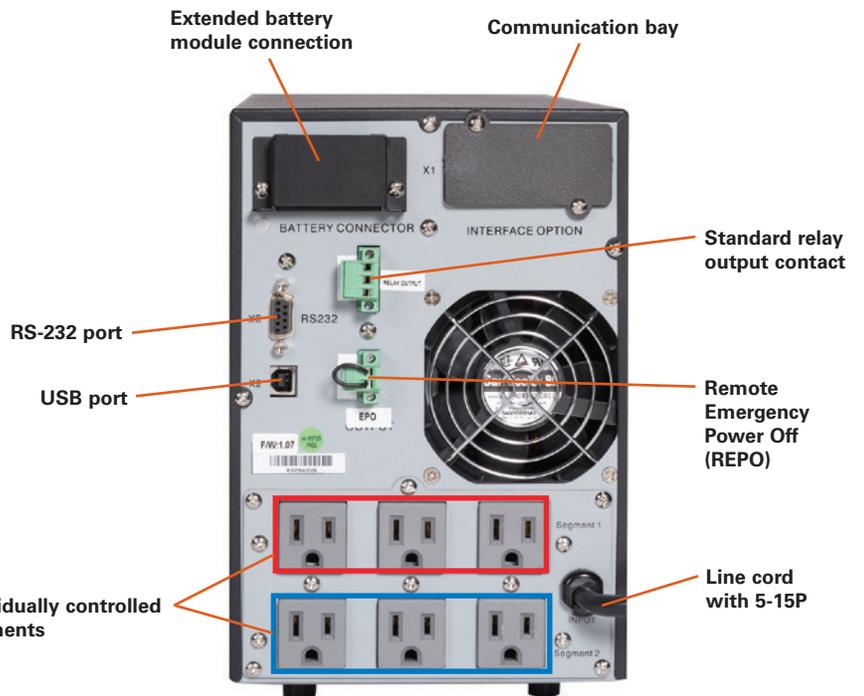
UPS status and operation

- 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 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
PW9130L700T						PW9130i1500T-XL					
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
PW9130i700T						PW9130L2000T-XL					
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
PW9130L1000T-XL						PW9130G2000T-XL / XLEU / PW9130i2000T-XL					
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
PW9130G1000T-XL / PW9130i1000T-XL						PW9130L3000T-XL					
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
PW9130L1500T-XL						PW9130G3000T-XL / XLEU / PW9130i3000T-XL					
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 ¹	Output receptacles	Dimensions H x W x D, in (mm)	Weight, lb (kg)
North American models: 120V, 50/60 Hz						
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)
Global models: 208V, 50/60 Hz						
PW9130G1000T-XL	103006431-6591	1000/900	L6-20P ³	(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 ³	(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 ³	(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 ³	(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 ³	(8) C13, (1) C19	12.8 x 8.4 x 16.1 (325 x 214 x 410)	76.1 (34.5)
International models: 230V, 50/60 Hz						
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)
Extended battery modules						
PW9130N1000T-EBM ⁴	103006438-6591	NA	NA	NA	9.1 x 6.3 x 15.0 (230 x 160 x 380)	40.8 (18.5)
PW9130N1500T-EBM ⁵	103006439-6591	NA	NA	NA	9.1 x 6.3 x 16.9 (230 x 160 x 430)	53.6 (24.3)
PW9130N3000T-EBM ⁶ (50.0)	103006440-6591	NA	NA	NA	12.8 x 8.4 x 16.1 (325 x 214 x 410)	110.3

¹ Input cord length is 6 ft

² C14, w/detachable L6-20P

³ C20, w/detachable L6-20P

⁴ This EBM works with 1000 VA model, where available

⁵ This EBM works with 1500 VA model

⁶ 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 for details.

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 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	120V: 700–1500 VA: 15A 2000 VA: 20A 3000 VA: 30A 208/230V: 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		Heat dissipation for all voltages: 208–240V and 120V	
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

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

The 9130 is part of the UPSgrade program

UPSgrade[™]

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Denmark: 45.3686.7910
Finland: 358.94.52.661
France: 33.1.6012.7400
Germany: 49.0.7841.604.0
Italy: 39.02.66.04.05.40
Norway: 47.23.03.65.50
Portugal: 55.11.3616.8500
Sweden: 46.8.598.940.00
United Kingdom: 44.1753.608.700

ASIA PACIFIC
Australia: 61.2.9693.9366
New Zealand: 64.0.3.343.3314
China: 86.21.6361.5599
HK/Korea/Taiwan: 852.2745.6682
India: 91.11.4223.2300
Singapore/SEA: 65.6825.1668

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Printed in USA
9130TFXA / TN
June 2011



Powering Business Worldwide

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



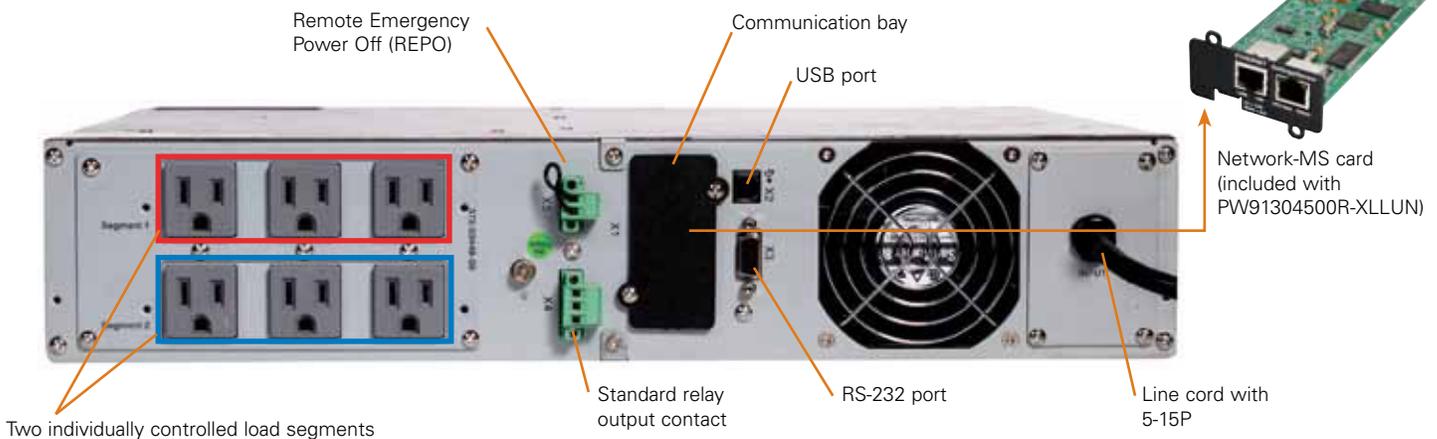
Optional FlexPDU and HotSwap MBP for greater flexibility and uptime

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
PW9130L700R-XL2U					
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
PW9130L1000R-XL2U					
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
PW9130L1500R-XL2U					
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
PW9130i1500R-XL2U					
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

Load (VA/Watts)	Internal batteries	w/1 EBM	w/2 EBMs	w/3 EBMs	w/4 EBMs
PW9130L2000R-XL2U					
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
PW9130L2500R-XL2U					
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
PW9130L3000R-XL2U					
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
PW9130G3000R-XL2U / PW9130G3000R-XL2UEU / PW9130i3000R-XL2U					
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.

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

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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Printed in USA
9130RFXA
October 2012



Powering Business Worldwide

Communications

Serial port	RS-232 standard, for interface to power management software
USB port	HID standard, for communicating with Windows 98, XP, ME and Vista computers
Relay output	Common alarm standard
Communications slot	Optional communication slots (BD Slot, Mini-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 temperature	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: 208–240V and 120V

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	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
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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

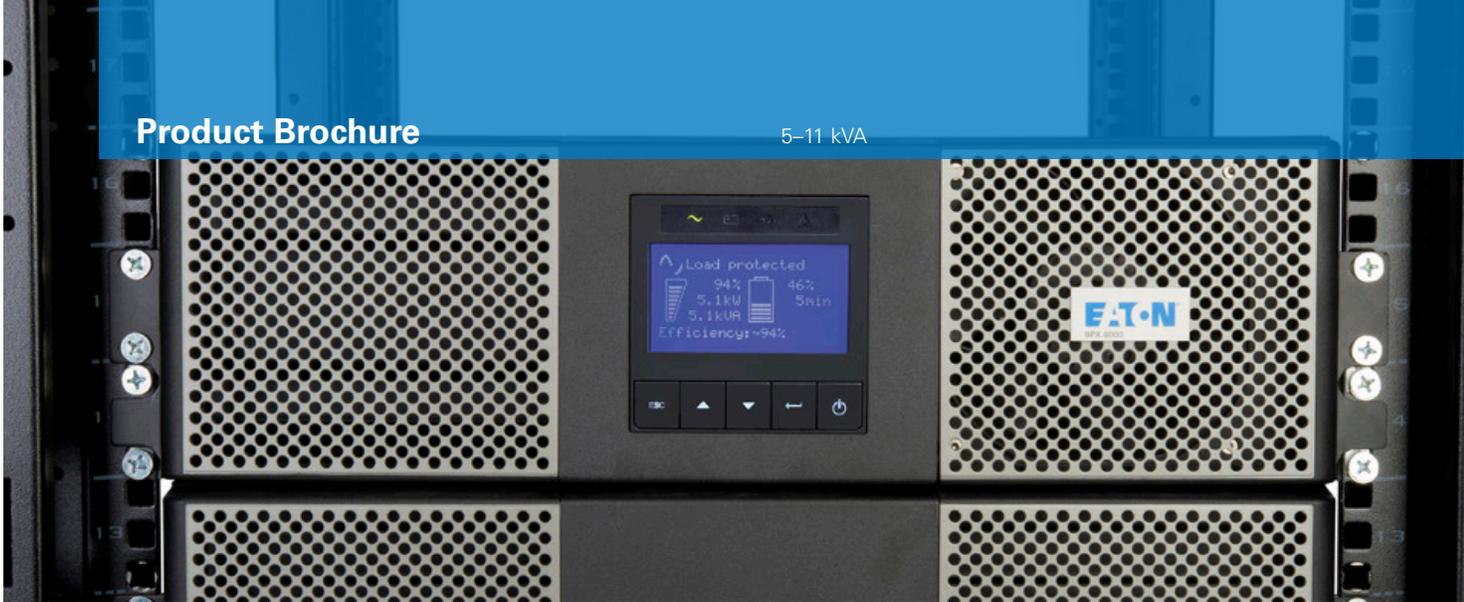
What's in the box

- 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.

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Eaton 9PX UPS

Reliable, versatile and efficient backup power for IT equipment, including Cisco switches and servers

Eaton 9PX features and benefits

Reliability: With extended battery runtime options, hot-swappable batteries, internal bypass and optional maintenance bypass, the 9PX maximizes the availability of your IT systems.

More power: The 9PX allows you to connect more devices by providing up to 28 percent more wattage compared to traditional UPSs.

Efficiency: The double-conversion online 9PX is the most efficient UPS in its class with up to 93 percent efficiency rating in normal mode. [Split-phase models offer both 120V and 208V output without a transformer; saving vertical rack \(U\) space, weight and cost.](#)

Increased battery life: Eaton® offers ABM® technology that increases battery service life by 50 percent. ABM uses an advanced, three-stage charging technique and closely monitors battery health to provide advanced notice when batteries need replacement.

Intuitive LCD interface: Eaton's next-generation intuitive LCD interface offers a graphical display that provides all critical UPS information in a single view. The user-friendly menu allows you to view information and control settings with the push of a button.

Intelligent Power Software Suite

By integrating the bundled Intelligent Power® Software Suite (IPSS), you can monitor and manage your network power devices. IPSS enables you to:

- 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 (VMs) to automatically and transparently migrate them during power disruptions to unaffected devices with systems such as VMware vMotion™ and Microsoft Live Migration
- Gracefully shutdown computers, VMs and host servers during an extended power outage

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

Services and support

Eaton provides 24x7 product support. From battery replacement to full UPS service plans, Eaton has one of the top service models in the industry.



The Eaton 9PX is an ENERGY STAR® qualified UPS. ENERGY STAR is intended to help consumers save money and protect the environment through energy efficient products and practices.



Versatile configurations

The 9PX has the versatility to meet the demands of a wide array of IT applications.



Each 9PX includes a 4-post rail kit.



Split-phase models incorporate flexible receptacle configurations that natively offer both 208 and 120 volt. Rear panel of 9PX 6K split-phase shown above.

Graphical LCD interface

With an LCD interface that tilts 45 degrees for optimal viewing, rotates to match rack and tower installations, and provides clear information on UPS status and measurements, the 9PX makes local management easy.



The 9PX displays key data such as its up to 93 percent efficiency rating, alarm history, runtime remaining, load percentage and more in a graphical format.



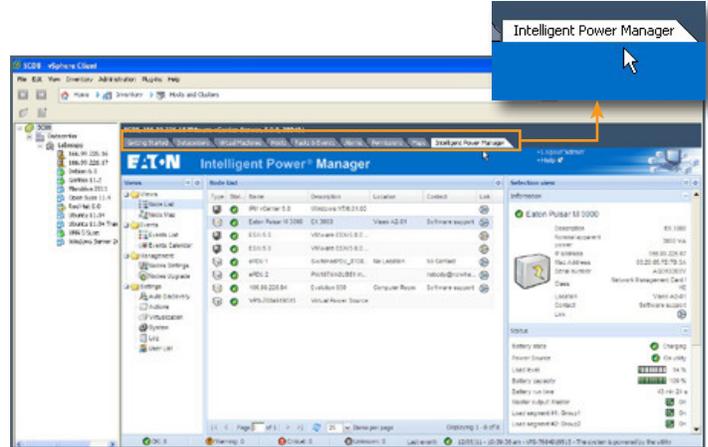
The 9PX provides line and match EBMs for extended runtime.

Virtualization-ready UPS

Every 9PX comes with the Network Card-MS and IPSS, allowing seamless integration into the following industry-leading virtualization platforms:



Microsoft Partner Network



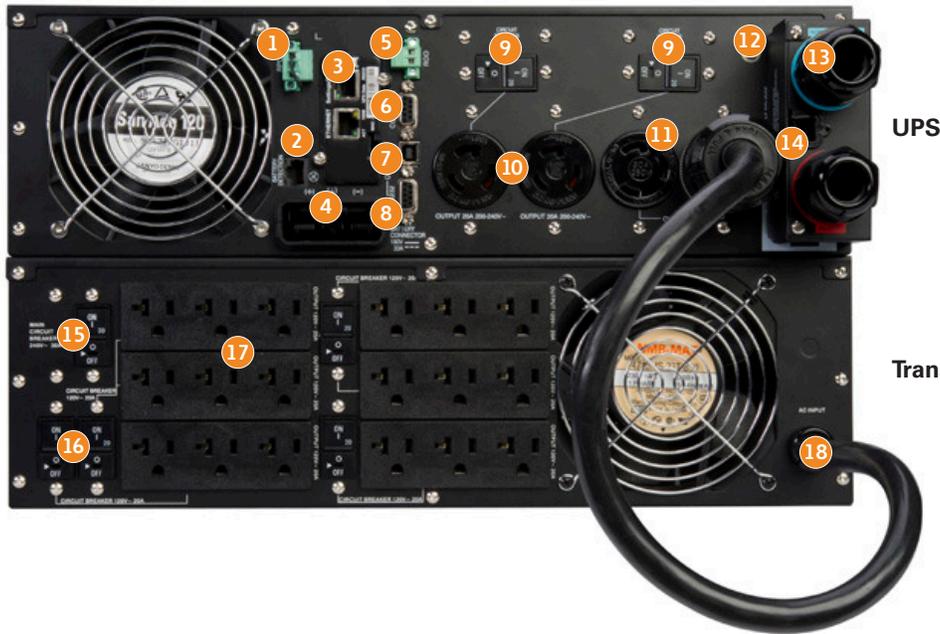
Intelligent Power Manager plugs into VMware's vCenter dashboard.



The bundled Network Card-MS allows the 9PX to connect to an Ethernet network and the Internet, supporting real-time monitoring and control of UPSs across the network via a standard Web browser, SNMP-compliant network management system or power management software.

Rear panel overview

Model 9PX6KTF5 (6kVA, 120/208V output)



- 1 Remote Power Off (RPO)
- 2 EBM detection port
- 3 Network Card-MS (bundled with UPS)
- 4 EBM connector
- 5 Remote On/Off (ROO)
- 6 Output relay contact – DB-9 dry contact (common alarm as standard).
- 7 USB port (cable included)
- 8 RS-232 serial communication port (cable included)
- 9 Output circuit breaker protection
- 10 (2) L6-20R
- 11 (2) L6-30R
- 12 Ground bonding screw
- 13 6-foot line cord with L6-30P
- 14 Output terminal block for hardwired applications
- 15 30A main circuit breaker
- 16 (4) 20A circuit breakers
- 17 (18) 5-20R outlets (accommodates 5-20P and 5-15P)
- 18 L6-30P input cord

Model 9PX10KSP (10kVA, 120/208V output)



- 1 Remote Power Off (RPO)
- 2 EBM detection port
- 3 Network Card-MS (bundled with UPS)
- 4 EBM connector
- 5 Remote On/Off (ROO)
- 6 Output relay contact – DB-9 dry contact (common alarm as standard).
- 7 USB port (cable included)
- 8 RS-232 serial communication port (cable included)
- 9 Output circuit breaker protection
- 10 (2) L6-20R
- 11 (2) L6-30R
- 12 Ground bonding screw
- 13 6-foot line cord with L6-30P
- 14 Output terminal block for hardwired applications
- 15 30A main circuit breaker
- 16 (4) 20A circuit breakers
- 17 (18) 5-20R outlets (accommodates 5-20P and 5-15P)
- 18 L6-30P input cord
- 19 (2) L14-30R
- 20 (1) L6-30R



To interact with the 9PX and see additional configurations up close, please visit [Eaton.com/9PX](https://www.eaton.com/9PX).

9PX model selection guide

The 9PX UPS is pre-configured into bundles for easy Configuration and deployment. For complete specifications, including interactive battery runtime graphs, please visit Eaton.com/9PX.

9PX SP 6-10 kVA rack/tower: 120/208 output, 50/60 Hz

Catalog number	Rating (VA/Watts)	Input	Output	Dimensions (HxWxD, in.)	Weight (lb.)
9PX6KSP	5500/4900****	L14-30P***	(1) L14-30R, (1) L6-30R, (6) 5-20R, HW	6.8 (4U) x 17.3 x 25.6	157.3
9PX8KSP	8000/7200	Hardwired	(2) L14-30R, (1) L6-30R, HW	10.3 (6U) x 17.3 x 27.6	225
9PX10KSP	10000/9000	Hardwired	(2) L14-30R, (1) L6-30R, HW	10.3 (6U) x 17.3 x 27.6	225

UPS and EBM ship with a 4-post rail kit, 9RK. *Terminal block with L14-30P cord. ****6K models derated at 100/200, 120/208, 110/220V (see technical specs).

Extended battery modules: 6-10kVA Split-phase

Catalog number	Description	Dimensions (HxWxD, in.)	Weight (lb.)
9PXEBM240SP	6K SP EBM (add up to 4 EBMs), Use with 9PX6KSP UPS	5.1 (3U) x 17.3 x 26.6	132
EBMCBL240SP	9PX EBM Cable Extension 6kVA Split-Phase, 6 feet (1.8 meters)		
9PXEBM360SP	8/10K EBM (add up to 4 EBMs) Use with 9PX8KSP, 9PX10KSP UPS	5.1 (3U) x 17.3 x 25.4	163
EBMCBL360SP	9PX EBM Cable Extension 8/10kVA Split-Phase, 6 feet (1.8 meters)		

9PX 5-11 kVA 208V output, 50/60 Hz bundles

Catalog number	Rating (VA/watts)	Input	Output	Dimensions (HxWxD, in.)*	Weight (lb.)
9PX5K	5000/4500	L6-30P**	(2) L6-30R, (2) L6-20R, Hardwired	5.1 (3U) x 17.3 x 28.4	106
9PX6K	6000/5400	L6-30P**	(2) L6-30R, (2) L6-20R, Hardwired	5.1 (3U) x 17.3 x 28.4	106
9PX6KG	6000/5400	Hardwired	(2) C19, (8) C13, Hardwired	5.1 (3U) x 17.3 x 27.0	106
9PX8KHW	8000/7200	Hardwired	Hardwired	10.2 (6U) x 17.3 x 27.6	190
9PX8K	8000/7200	Hardwired	Hardwired, (3) L6-30R	10.2 (6U) x 17.3 x 30.0	205
9PX11KHW	11000/10000	Hardwired	Hardwired	10.2 (6U) x 17.3 x 27.6	190
9PX11K	11000/10000	Hardwired	Hardwired, (3) L6-30R	10.2 (6U) x 17.3 x 30.0	205

9PX 5-11 kVA 120/208V output, 50/60 Hz bundles

Catalog number	Rating (VA/watts)	Input	Output	Dimensions (HxWxD, in.)*	Weight (lb.)
9PX5KTF5	5000/4500	L6-30P**	(1) L6-30R, (2) L6-20R, (18) 5-20R, Hardwired	10.2 (6U) x 17.3 x 28.4	201
9PX5KP1	5000/4500	L6-30P	(1) L14-30R, (1) L6-30R, (6) 5-20R	10.2 (6U) x 17.3 x 28.4	203
9PX5KP2	5000/4500	Hardwired	Hardwired	10.2 (6U) x 17.3 x 28.4	201
9PX6KTF5	6000/5400	L6-30P**	(1) L6-30R, (2) L6-20R, (18) 5-20R, Hardwired	10.2 (6U) x 17.3 x 28.4	201
9PX6KP1	6000/5400	L6-30P	(1) L14-30R, (1) L6-30R, (6) 5-20R	10.2 (6U) x 17.3 x 28.4	203
9PX6KP2	6000/5400	Hardwired	Hardwired	10.2 (6U) x 17.3 x 28.4	201
9PX8KTF5	8000/7200	Hardwired	Hardwired, (2) L6-30R, (18) 5-20R	15.3 (9U) x 17.3 x 30.0	300
9PX11KTF5	11000/10000	Hardwired	Hardwired, (2) L6-30R, (18) 5-20R	15.3 (9U) x 17.3 x 30.0	300
9PX11KTF11	11000/10000	Hardwired	Hardwired, (2) L14-30R, (8) 5-20R	15.3 (9U) x 17.3 x 27.6	377

*Each module of every 9PX bundle ships with a 4-post rail kit. **Terminal block with L6-30P cord.

Extended battery modules (EBM) and accessories: 5 and 6kVA

Catalog number	Description	Dimensions (HxWxD, in.)	Weight (lb.)
9PXEBM180RT	EBM; includes 4-post rail kit, quick start guide, joining brackets for tower configuration and 1-foot connector cable; add up to 4 EBMs	5.1 (3U) x 17.3 x 25.4	150
EBMCBL180	9PX EBM Cable Extension 5 and 6 kVA UPS models, 6 feet (1.8 meters)		
CBLADAPT180	Adapter cable from Eaton 9135/MX UPS EBM to 5 and 6 kVA 9PX UPS models		

Extended battery modules (EBM) and accessories: 8 and 11kVA

9PXEBM240RT	EBM; includes 4-post rail kit, quick start guide, joining brackets for tower configuration and 1-foot connector cable. Add up to 5 EBMs with UPS; add up to 12 EBMs with SC240RT	5.1 (3U) x 17.3 x 25.4	143
SC240RT	240V supercharger module to add up to 12 EBMs to 8 and 11 kVA 9PX UPS models. Includes 4-post rail kit.	5.1 (3U) x 17.3 x 26.8	34
EBMCBL240	Cable Extension 8 and 11 kVA UPS models, 6 feet (1.8 meters)		
CBLADAPT240	Adapter cable from 9135, MX and EX RT UPS EBMs to 8 and 11 kVA 9PX UPS models		

Power distribution & bypass

Catalog number	Description	Compatible 9PX models	Input	Output	Dimensions (HxWxD, in.)	Weight (lb.)
MBP6K208	208V maintenance bypass module	All non split-phase 5 and 6 kVA models	L6-30P	(2) L6-30R	3U rackmount	9
MBP11K208	208V maintenance bypass module	All non split-phase 8 and 11 kVA models	Hardwired	Hardwired, (3) L6-30R	Rear-mount	15
PW105BA2U420	Basic ePDU	9PX5K, 9PX6K, 9PX5KTF5, 9PX6KTF5, 9PX6KP1, 9PX8KTF5, 9PX8K, 9PX11KTF5, 9PX11K	L6-30P	(4) L6-20R	3.5 (2U) x 19.0 x 6.0	10
ePBZ79	Basic ePDU	9PX5K, 9PX6K, 9PX5KTF5, 9PX6KTF5, 9PX6KP1, 9PX8KTF5, 9PX8K, 9PX11KTF5, 9PX11K	L6-30P	(16) C13, (4) C19	1.7 (1U) x 17.0 x 5.1	6
PW105BA0U421	Basic ePDU	9PX5KP1, 9PX6KP1, 9PX11KTF11	L14-30P	(24) 5-20R	66.0 (0U) x 1.89 x 2.0	10
PW105BA2U422	Basic ePDU	9PX5KP1, 9PX6KP1, 9PX11KTF11	L14-30P	(4) L6-20R	3.5 (2U) x 19.0 x 6.0	10

Other hardware accessories

Catalog number	Description	Dimensions (HxWxD, in.)	Weight (lb.)
RK2PC	2-post rail kit for 5 and 6 kVA 9PX models	Fits 2-post racks	5
BINTSYS	Battery integration system and caster kit	7.9 x 20.5 x 31.5	30

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Printed in USA
9PX01FXA
December 2013

To interact with the 9PX UPS,
please visit: Eaton.com/9PX

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Eaton 9170+ UPS



Features

- N+X redundancy for both power and logic eliminates system-level single point-of-failure
- Easily scalable to adapt to changing IT environments by simply adding power and/or battery modules
- True double-conversion design
- ABM[®] technology significantly increases battery service life
- Universal components fit in any order without affecting UPS operation
- Provides protection against all nine power problems
- Complete offering of power management software included to ensure data integrity
- Provides investment protection with a two-year limited warranty and a \$250,000 load protection guarantee (U.S. and Canada)

Product Snapshot

Power Rating:	3–18 kVA
Input Voltage:	200–240 Vac
Output Voltage:	200–240 Vac
Frequency:	50/60 Hz (auto-sensing)
Configuration:	Tower or rackmount

The Eaton[®] 9170+ UPS is uniquely designed to meet the ever-changing needs of customers with applications such as data centers, networks and call centers. Built for global deployment, the 9170+ is a scalable, modular, flexible solution that combines the highest level of reliability with the lowest cost of ownership in the 3–18 kVA range.

The 9170+ enables customers to build a power solution specific to their needs, with an expandable level of redundancy and increases runtimes through plug-and-play 3 kVA UPS and battery modules. The 9170+ can be configured to fit three-, six-, nine- or twelve-slot enclosures, and is available for tower and rackmount applications.

The 9170+ also features a Power Saver mode, a user-selectable feature that increases unit efficiency from 88% in normal operating mode to 97%. With its low initial investment, double-conversion technology, ABM battery management system and high-efficiency Power Saver mode, you never have to compromise reliability for efficiency.

Unique to the 9170+ is its global deployment capability. By using a high-frequency design, housing both logic and power in the power module, and offering a single-cabinet design, distributors and purchasing departments around the world have fewer system components to contend with, regardless of where the system is deployed.



Powering Business Worldwide

Technical spotlight: Network level N+X redundancy

As business moves from a “bricks and mortar” model to “clicks and mortar,” the need for system availability at all levels of enterprise is rising exponentially. From servers to routers to telecommunication installations, the interdependence of the technological components of the wired world can make systems vulnerable to downtime. Many precautions and preventive measures are taken when designing the network, including power protection.

In this shifting world, however, it’s becoming more evident that simple power protection isn’t enough. A new level of reliability is needed, one with redundancy, and thereby system availability. Today users can opt for an even greater degree of redundancy, with N+1, N+2, N+3, etc. However, this level of redundancy can quickly become cost prohibitive if the user is creating redundant

systems with a single-module UPS. The 9170+ overcomes this potential obstacle with its modular design. Redundancy comes from the 3 kVA power modules plugged into the system. For example, if you have a 9 kVA solution, and are looking for N+2 redundancy, you only need a 15 kVA UPS (five power modules) with the 9170+, instead of 18 kVA. That’s because the five UPS modules run in parallel within the system, giving you N+2 redundancy, without the additional cost and space requirements.

The 9170+ eliminates a system-level single point-of-failure. Because both the logic and power are housed in the module and not in the enclosure, there is a redundancy for the entire UPS. This is a critical distinction when looking for multiple levels of redundancy in the UPS, as there is inherent vulnerability in a UPS that limits redundancy in any part of the system.

Sample configuration

With a variety cabinet sizes and a user-friendly design you can configure the scalable and redundant 9170+ with 3 kVA power modules and battery modules to grow with your requirements.



PRE-CONFIGURED SYSTEMS WITH HARDWIRE INPUT AND OUTPUT

MODEL NUMBER	INCLUDED ITEMS	POWER RATING	INPUT CONNECTION	OUTPUT CONNECTIONS	DIMENSIONS H x W x D (IN/CM)	WEIGHT (LB/KG)
PW3S3K	(1) 3-slot enclosure (1) power module (2) battery modules (1) caster kit	3 kVA expandable to 3 kVA N+1	Hardwired	Hardwired	19.5 x 17.0 x 25.5/ 49.5 x 43.0 x 65.0	155.0/69.9
PW6S3K	(1) 6-slot enclosure (1) power module (2) battery modules (1) caster kit	3 kVA expandable to 9 kVA N+X	Hardwired	Hardwired	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	155.0/69.9
PW6S6K	(1) 6-slot enclosure (2) power modules (4) battery modules (1) caster kit	6 kVA expandable to 9 kVA N+X	Hardwired	Hardwired	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	232.0/104.8
PW6S9K	(1) 6-slot enclosure (3) power modules (6) battery modules (1) caster kit	9 kVA expandable to 9 kVA N+X	Hardwired	Hardwired	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	346.0/156.7
PW9S9K	(1) 9-slot enclosure (3) power modules (6) battery modules	9 kVA expandable to 18 kVA N+X	Hardwired	Hardwired	47.0 x 24.0 x 28.5/ 119.5 x 61.0 x 72.5	389.0/176.7
PW12S9K	(1) 12-slot enclosure (3) power modules (6) battery modules	9 kVA expandable to 18 kVA N+X	Hardwired	Hardwired	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	427.0/193.7
PW12S12K	(1) 12-slot enclosure (4) power modules (8) battery modules	12 kVA expandable to 18 kVA N+X	Hardwired	Hardwired	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	504.0/228.6
PW12S15K	(1) 12-slot enclosure (5) power modules (10) battery modules	15 kVA expandable to 18 kVA N+X	Hardwired	Hardwired	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	581.0/263.5
PW12S18K	(1) 12-slot enclosure (6) power modules (12) battery modules	18 kVA expandable to 18 kVA N+X	Hardwired	Hardwired	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	658.0/298.4

Pre-configured systems with hardwire input and receptacles output options

PW6S3K-PD	(1) 6-slot enclosure (1) power module (2) battery modules (1) caster kit	3 kVA expandable to 9 kVA N+X	Hardwired	(2) L14-30R, (2) L6-30R, (12) 5-20R	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	192.0/86.9
PW6S6K-PD	(1) 6-slot enclosure (2) power modules (4) battery modules (1) caster kit	6 kVA expandable to 9 kVA N+X	Hardwired	(2) L14-30R, (2) L6-30R, (12) 5-20R	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	269.0/121.8
PW6S9K-PD	(1) 6-slot enclosure (3) power modules (6) battery modules (1) caster kit	9 kVA expandable to 9 kVA N+X	Hardwired	(2) L14-30R, (2) L6-30R, (12) 5-20R	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	346.0/160.7
PW9S9K-PD	(1) 9-slot enclosure (3) power modules (6) battery modules	9 kVA expandable to 18 kVA N+X	Hardwired	(2) L14-30R, (2) L6-30R, (12) 5-20R	47.0 x 24.0 x 28.5/ 119.5 x 61.0 x 72.5	389.0/176.7
PW12S9K-PD	(1) 12-slot enclosure (3) power modules (6) battery modules	9 kVA expandable to 18 kVA N+X	Hardwired	(3) L14-30R, (3) L6-30R, (12) 5-20R	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	427.0/193.7
PW12S12K-PD	(1) 12-slot enclosure (4) power modules (8) battery modules	12 kVA expandable to 18 kVA N+X	Hardwired	(3) L14-30R, (3) L6-30R, (12) 5-20R	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	504.0/228.6
PW12S15K-PD	(1) 12-slot enclosure (5) power modules (10) battery modules	15 kVA expandable to 18 kVA N+X	Hardwired	(3) L14-30R, (3) L6-30R, (12) 5-20R	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	581.0/263.5
PW12S18K-PD	(1) 12-slot enclosure (6) power modules (12) battery modules	18 kVA expandable to 18 kVA N+X	Hardwired	(3) L14-30R, (3) L6-30R, (12) 5-20R	60.7 x 24.0 x 28.5/ 154.5 x 61.0 x 28.5	658.0/298.4

Pre-configured systems with line cord input and receptacles output options

PW3S3K-LPD	(1) 3-slot enclosure (1) power module (2) battery modules	3 kVA expandable to 3 kVA N+1	L14-30P	(1) L14-30R, (1) L6-30R, (4) 5-20R	19.5 x 17.0 x 25.5/ 49.5 x 43.0 x 65.0	155.0/69.9
PW6S3K-LPD	(1) 6-slot enclosure (1) power module (2) battery modules	3 kVA expandable to 6 kVA N+1	14-50P	(2) L14-30R, (2) L6-30R, (12) 5-20R	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	192.0/86.9
PW6S6K-LPD	(1) 6-slot enclosure (2) power modules (4) battery modules	6 kVA expandable to 6 kVA N+1	14-50P	(2) L14-30R, (2) L6-30R, (12) 5-20R	33.3 x 17.0 x 25.5/ 84.5 x 43.0 x 65.0	269.0/121.8

Notes: 50/60 Hz automatic frequency selection. Input/Output voltages 208–240V or 100/200,120/208, 127/220, 110/220 and 120/240V. Split phase power module offers both high and low output voltage. Universal power module offers only high output voltage. All 3- and 6-slot enclosure dimensions include caster kit.

UPS CABINET ENCLOSURES WITH HARDWIRE INPUT AND OUTPUT CONNECTIONS

MODEL NUMBER	POWER RATING	INPUT CONNECTION	OUTPUT CONNECTIONS	DIMENSIONS H x W x D (IN/CM)	WEIGHT (LB/KG)
PW9170+ 3-slot	3 kVA	Hardwired	Hardwired	17.8 x 17.0 x 25.5/ 45.0 x 43.0 x 65.0	66.0/30.0
PW9170+ 6-slot	3 to 9 kVA	Hardwired	Hardwired	31.5 x 17.0 x 25.0/ 80.0 x 43.0 x 65.0	103.0/47.0
PW9170+ 9-slot	3 to 18 kVA	Hardwired	Hardwired	47.0 x 24.0 x 28.5/ 119.5 x 61.0 x 72.5	158.0/72.0
Rackmount	3 to 18kVA	Hardwired	Hardwired	47.0 x 17.0 x 28.5/ 119.5 x 43.0 x 72.5	110.0/50.0
PW9170+ 12-slot	3 to 18 kVA	Hardwired	Hardwired	60.8 x 24.0 x 28.5/ 154.0 x 61.0 x 72.5	196.0/89.0
Rackmount	3 to 18 kVA	Hardwired	Hardwired	60.8 x 17.0 x 28.5/ 154.0 x 43.0 x 72.5	148.0/67.0
Battery cabinet enclosures					
6-slot battery cabinet	-	DC interconnect option ASY-0525 required	-	31.5 x 17.0 x 25.0/ 80.0 x 43.0 x 65.0	93.0/42.2
9-slot battery cabinet	-	DC interconnect option ASY-0525 required	-	47.0 x 24.0 x 28.5/ 119.5 x 61.0 x 72.5	148.0/67.1
12-slot battery cabinet	-	DC interconnect option ASY-0525 required	-	60.8 x 24.0 x 28.5/ 154.0 x 61.0 x 72.5	186.0/84.4
Available modules					
Split-phase power module	3 kVA/2.5 kW	-	-	4.2 x 14.1 x 15.3/ 10.6 x 35.8 x 38.9	17.0/7.7
Universal-phase power module	3 kVA/2.1 kW	-	-	4.2 x 14.1 x 15.3/ 10.6 x 35.8 x 38.9	17.0/7.7
Battery module	-	-	-	4.2 x 7.0 x 14.8/ 10.6 x 17.8 x 37.6	30.0/13.6
20-amp charger module	3 kVA	-	-	4.2 x 14.1 x 15.3/ 10.6 x 35.8 x 38.9	17.0/7.7

Technical specifications¹

ELECTRICAL INPUT

Voltage	208–240V or 200/100, 208/120, 220/110, 240/120 Vac
Voltage range	176–276V
Input power factor	.98
Frequency	50/60 Hz (±3 Hz)

ELECTRICAL OUTPUT

On utility voltage regulation	±3% of nominal
On battery voltage regulation	±3% of nominal
Efficiency mode	88% normal operation; 97% power saver (optional programmable)
Frequency regulation	±3 Hz online; ±0.1 Hz on battery

COMMUNICATIONS

LCD	4 x 20 character backlit display, programmable
Language support	English, French, Spanish and German
Communication ports	RS-232 (DB-9)
Communication slots	Two slots (standard)
SNMP capability	Web/SNMP enabled card options
Contact closures	Relay card option
Emergency power off (EPO) general	Input for external EPO

GENERAL

Topology	True double-conversion online
Diagnostics	Full system self-test on power up
UPS bypass	Automatic on overload or UPS failure
Dimensions & weights	See Pre-configured systems table

ENVIRONMENTAL AND SAFETY

Safety markings	UL, cUL
EMC markings	FCC class A
Surge suppression	IEEE/ANSI C62.41
Audible noise	<50 dBA
Ambient operating/storage temperature	0 to 40°C (32 to 104°F)/ -20 to 40°C (60°C without battery) -4 to 104°F (140°F without battery)
Relative humidity	5% to 95%, non-condensing
REPO port	Meets NEC code 645-11 intent and UL requirements

BATTERY

Internal battery type	Sealed, lead-acid; maintenance free
Battery runtime	See Battery Runtimes on back page
Battery replacement	Hot-swappable
Recharge time	<4 hours standard

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



9170+ 9-slot configuration

LCD panel



Communication cards



3 kVA power or charger module (one per slot)



Battery module (two per slot)



Rackmount

Maximum performance

- The lowest overall cost of ownership is a direct result of the low initial investment, higher operating efficiencies and programmable high efficiency
- A UPS solution that is as easy to install and operate as a PC —universal components fit in any order in any slot without affecting the operation of the system or its protection of the critical load
- Featuring user-friendly LCD and two internal communication slots, which accept a wide variety of connectivity devices and the new ConnectUPS Web/SNMP card
- Lightweight, high-performance power and battery modules weigh under 30 pounds for easy service and hot-swapping

Maximum reliability

- N+X power and logic redundancy eliminates single point-of-failure, providing highest reliability and availability
- Redundant modularity virtually eliminates downtime and enhances serviceability
- ABM technology significantly increases battery service life

Maximum availability

- Double-conversion online technology is universally recognized as providing the highest availability in an internet-centric global marketplace
- Provides protection against all nine common power problems

Maximum service plans

- Eaton Gold Plan Plus: Enhance and extend your standard UPS warranty with added assurance of knowing your UPS is installed and operating properly from the start
- Comprehensive coverage for the entire UPS
- On-site startup by authorized Eaton product representative
- Replacement UPS or module delivered to your location
- Original UPS or module picked up from your location
- Please call for details

Maximum flexibility

- Modular design delivers scalable, flexible solutions to constantly changing equipment requirements
- Easily expanded by installing additional power, charger or battery modules to support additional critical applications and devices
- Internal options: line cord, receptacles, communications
- External options: rackmount kit, casters (standard on 9- and 12-slot enclosures), extended runtime battery cabinets (housing up to 8 hours of additional runtime), wall-mounted maintenance bypass cabinets

Rackmount configurations

Adding yet another level of flexibility to the unique design of the 9170+ is the ability to configure it into a rackmount solution. Imagine all the standard benefits of the 9170+ installed in a standard 19-inch computer rack with return brackets.

9170+ runtime charts

IN MINUTES (FULL LOAD/HALF LOAD) SPLIT-PHASE MODULE ASY-0673												Load (VA) number of strings (two battery modules per string)	
	1 String	2 String	3 String	4 String	5 String	6 String	7 String	8 String	9 String	10 String	11 String	12 String	
3 kVA	6.5/16	16/40	27.5/67.5	40/98	53.5/132	67.5/167	83/204	98/242	115/283	132/324	149/365	167/408	
6 kVA	6.5/16	11/27.5	16/40	21.5/53.5	27.5/68	33.5/83	40/98	46.5/115	53.5/132	60.5/149	67.5/167		
9 kVA		6.5/16	9.5/23.5	13/31.5	16/40	20/49	23.5/58	27.5/67.5	31.5/78	35.5/88	40/98		
12 kVA			6.5/16	9/21.5	11/27.5	13.5/33.5	16/40	19/46.5	21.5/53.5	24.5/60.5	27.5/68		
15 kVA				6.5/16	8/20.5	10/25	12/30	14/35	16/40	18.5/45	20.5/50.5		
18 kVA					6.5/16	8/20	9.5/23.5	11/27.5	12.5/30	14.5/35.5	16/40		

	13 String	14 String	15 String	16 String	17 String	18 String	19 String	20 String	21 String	22 String	23 String	24 String
3 kVA	185/456	204/501	223/549	242/595	262/640	283/692	302/750	323/790	345/850	365/900	387/955	408/1015
6 kVA	75/185	83/204	90/223	98/242	106/262	115/285	123/302	132/324	140/345	149/365	157/388	167/408
9 kVA	44/109	49/120	53.5/132	58/143	63/154	68/167	73/179	78/191	83/204	88/210	93/229	98/242
12 kVA	30.5/75	33.5/83	37/90	40/98	43/106	46.5/115	50/123	53.5/132	57/140	60/149	64/157	68/167
15 kVA	23/56	25/62	27.5/67.5	30/73.5	32.5/79.5	35/86	37.5/92	40/98	42.5/105	45/111	48/118	51/124
18 kVA	18/44	20/49	21.5/53.5	23.5/58	25.5/63	27.5/68	29.5/73	31.5/78	33.5/83	35.5/88	38/93	40/98

IN MINUTES (FULL LOAD/HALF LOAD) UNIVERSAL MODULE ASY-0674												Load (VA) number of strings (two battery modules per string)	
	1 String	2 String	3 String	4 String	5 String	6 String	7 String	8 String	9 String	10 String	11 String	12 String	
3 kVA	8/24	24/59	43/95	58/140	80/175	95/215	119/240	135/290	155/335	65/365	200/395	215/450	
6 kVA		8/24	16/40	24/59	32/83	40/103	49/114	58/140	69/156	83/175	90/190	103/205	
9 kVA			8/24	13/35	18/46	24/59	29/63	35/86	40/103	46/115	54/125	58/140	
12 kVA				8/24	13/33	16/40	19.5/43.5	24/59	29/70	33/80	36/90	41/100	
15 kVA					8/24	11.5/31	14.5/31.5	18/46	20.5/51	24/58	28/66	31/73	
18 kVA						8/24	11/31.5	13/36	15.5/41	18/45	20.5/51	24/58	

	13 String	14 String	15 String	16 String	17 String	18 String	19 String	20 String	21 String	22 String	23 String	24 String
3 kVA	225/500	245/540	270/600	290/620	315/650	335/690	350/720	365/780	375/850	395/890	425/920	450/950
6 kVA	113/335	123/255	135/273	143/290	148/315	156/333	165/350	175/365	183/385	190/395	198/420	205/440
9 kVA	63/150	73/165	80/178	86/190	93/200	100/210	107/225	115/240	121/255	125/270	135/280	143/290
12 kVA	47/110	52/121	56/130	58/140	65/147	70/156	75/165	80/175	85/185	90/195	95/205	100/215
15 kVA	34/83	38/94	41.5/103	44.5/113	46.5/117	51/127	56/130	58/140	61/149	66/158	71/165	73/170
18 kVA	27/65	31.5/72	34.5/77	36/83	38/94	41/100	44/105	45/115	48/122	54/131	57/137	58/140

For additional information about the 9170+, please visit Eaton.com/9170+ or call **800.356.5794**.

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 Printed in USA
 9170PLFXA
 November 2012

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Eaton BladeUPS Maintenance Bypass Module (MBM)



Features

- Three-Breaker Maintenance Bypass
 - Maintenance bypass breaker, rectifier input breaker and UPS output breaker all rated for 225A @208V (150A @400V) for high availability even as the UPS is serviced
- 6U Rackmount Cabinet
 - 60 kW N+1 maintenance bypass in just 6U of rack space; matching front bezel blends MBM into existing racks of Eaton® BladeUPS® extended battery modules
- Breaker Interlock Bar
 - Ensures correct breaker sequencing during transition to bypass and return to online
- Activate UPS Bypass Mode Switch
 - With the press of this single switch the BladeUPS rack is automatically placed into bypass and the entire system is readied for the transfer of power
- Designed to go into top or bottom of the enclosure (rack)
 - The MBM has three removable conduit landing plates on the top and bottom of the cabinet to ensure cable entry can be accommodated for raised floor or overhead wiring installations

The Eaton BladeUPS Maintenance Bypass Module (MBM) is a fully featured maintenance bypass designed to transfer power from a fully populated 60 kW N+1 BladeUPS system into bypass, allowing maintenance and service to be performed on a de-energized BladeUPS cabinet without affecting power to the critical load. Factory installed 225A @208V (150A @400V) maintenance bypass breaker (MBB), UPS Input Breaker (UIB) and UPS output breaker (UOB). A breaker interlock bar ensures the proper sequencing of the MBB and UOB when bringing the BladeUPS cabinet off and online. The MBM's Activate UPS Bypass Mode switch simplifies the process of going to bypass even further by providing a single point to transfer all BladeUPS units into bypass, and ready the system for the transfer of power.

The MBM is designed to fit seamlessly into your data center environment while occupying minimal space. The 6U housing features front panels designed to mimic the look of BladeUPS EBM extended battery modules (EBMs) so that it will fit aesthetically into your BladeUPS rack. Behind the removable front panels are four LEDs that highlight the current power flow of the system and enhance the safety and security of on-site operators.

The MBM also features a shunt trip on the bypass breaker for interfacing with remote emergency power-off (EPO) systems, and all breakers have auxiliary contacts (NC and NO available) for breaker on/off sensing for integration with building control or monitoring systems.



Powering Business Worldwide

Technical specifications

GENERAL CHARACTERISTICS

Type	Three-breaker, manual interlock
Installation	Rack mounted, 6U
Input & Output Cabling	Top and bottom entry
Designed kVA/kW rating	60 kVA/60 kW
Color	Black bezels matching BladeUPS
Construction	NEMA 1, IP 23

INPUT/OUTPUT RATINGS 208V MODEL 103007415-5208

Input Voltage	120/208V: Three-phase
Frequency	50/60 Hz
Input Connection	Hardwire 3P + N + PE
Output Voltage	120/208V: Three-phase
Frequency	50/60 Hz
Output Connection	Hardwire 3 or 4W + PE

ELECTRICAL RATINGS 208V MODEL 103007415-5208

Breaker Frame	225A
Trip rating	225A
Breaker kAIC rating	65kA @ 240V

INPUT/OUTPUT RATINGS 400V MODEL 103007415-5400

Input Voltage	230/400V: Three-phase
Frequency	50/60 Hz
Input Connection	Hardwire 3P + N + PE
Output Voltage	230/400V: Three-phase
Frequency	50/60 Hz
Output Connection	Hardwire 3 or 4W + PE

ELECTRICAL RATINGS 400V MODEL 103007415-5400

Breaker Frame	225A
Trip rating	150A
Breaker kAIC rating	25kA @ 480V

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8609 Six Forks Road
Raleigh, NC 27615 U.S.A.
Toll Free: 1.800.356.5794

www.eaton.com/powerquality

CANADA
Ontario: 416.798.0112
Toll free: 1.800.461.9166

LATIN AMERICA
Argentina: 54.11.4124.4000
Brazil: 55.11.3616.8500
Caribbean: 1.949.452.9610
Mexico & Central America:
52.55.9000.5252
South Cone: 54.11.4343.6323

ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature	0°C to +40°C +32°F to +104°F
Storage Temperature	-20°C to +70°C -4°F to +158°F
Relative Humidity	5-95% non-condensing
Altitude	2000 meters (6560ft.) at 40°C/104°F
Audible Noise	Less than 50 dBA at 1 meter

CERTIFICATIONS

Safety	UL 1778 4th edition IEC 60950-1 edition 1 IEC 62040-1-1 edition 1
EMC	IEC 62040-2 edition 2
Quality	ISO 9001:2000 ISO 14001, 2006
Markings	UL, cUI, CE
Hazardous materials	RoHS, EU Directive 2002/95/EC Cat. 3

USER INTERFACE

UPS interface	Activate UPS bypass mode switch
Indicator lamps	UPS on bypass AC Power to bypass AC Power from UPS AC Power to loads
Building interface	REPO, 120 V external contact required 1A/1B Aux switch on all breakers
Control wire harness provided between UPS and breakers	

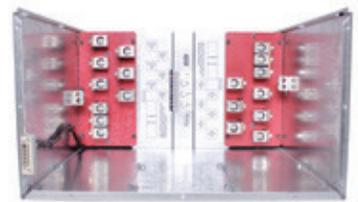
PHYSICAL CHARACTERISTICS

10.5"H x 17.3"W x 29.6"D

Weight: 76 lb/34 Kg



Front panel with cover removed



Rear view of termination points

EUROPE/MIDDLE EAST/AFRICA
Denmark: 45.3686.7910
Finland: 358.94.52.661
France: 33.1.6012.7400
Germany: 49.0.7841.604.0
Italy: 39.02.66.04.05.40
Norway: 47.23.03.65.50
Portugal: 55.11.3616.8500
Sweden: 46.8.598.940.0
United Kingdom: 44.1753.608.700

ASIA PACIFIC
Australia: 61.2.9693.9366
New Zealand: 64.0.3.343.3314
China: 86.21.6361.5599
HK/Korea/Taiwan: 852.2745.6682
India: 91.11.4223.2300
Singapore/SEA: 65.6825.1668

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Printed in USA
BladeUPS04FXA
September 2009