Eaton 5130 UPS

High-density power protection for critical loads from 1000–3000 VA—delivering more performance in less space at a value price

Now featuring a 3-year warranty with product registration!

Product snapshot

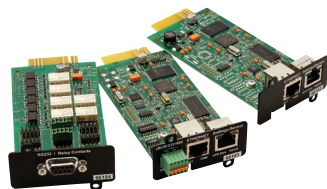|	
Power rating:	1000/1000 1500/1400 2200 (1950 VA)/1920 3000 VA (2880 VA)/2700W
Voltage	120, 208 and 230 Vac, user-selectable voltages
Frequency:	50/60 Hz (auto-sensing)
Topology:	Line-interactive, 0.9+ power factor
Configuration:	Two-in-one rack/tower; pedestal and rail kit provided

Features

- Protects connected equipment from five of the most common power anomalies: failures, surges, sags, under-voltage and over-voltage
- Conserves valuable rack space with 2U form factor, that includes internal batteries, and 3U short-depth form factor, available for short-depth cabinets
- Provides more real power (watts), with a 0.9 or greater power factor (up to unity), to protect more equipment and leave room for expanding IT systems
- Maximizes availability with extended battery runtime options, hot-swappable batteries and optional maintenance bypass
- Extends battery runtime for critical devices with load segments
- Offers choice of rackmount or tower installation with two-in-one form factor (4-post rail kit and tower pedestals included)
- Delivers control and visibility with free power management software featuring an intuitive user interface
- Provides a three-year limited warranty with product registration, an extended warranty, on-site Flex and on-site PowerTrust service contracts, and a $150,000 load protection guarantee (U.S. and Canada)

F·T·N

Powering Business Worldwide

Maximum availability

- Load segments allow for selective load shedding during outages
- Optional extended battery modules (EBMs) extend back-up runtime up to hours during power outages
- Hot-swappable batteries
- UPS startup on battery power
- Optional HotSwap Maintenance Bypass (MBP) enables the entire UPS to be serviced or replaced without interrupting power to loads

Control and visibility over UPS status and operation

- LEDs and audible alarms for up-to-the-minute status
- 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

Low total cost of ownership

- Line-interactive topology for best price-to-performance ratio
- More real output power for dollar spent with 0.9+ power factor
- Cuts energy usage and costs with 90%+ efficiency
- Pedestal and rail kits included at no extra charge
- User-friendly UPS monitoring and management software included

Flexibility

- The 2U model is optimized for rack mounting but is easily deployed as tower; the 3U model is optimized for tower deployment or short-depth racks
- Optional FlexPDU adds more plug-and-play flexibility to free-standing or rack mounted UPSs
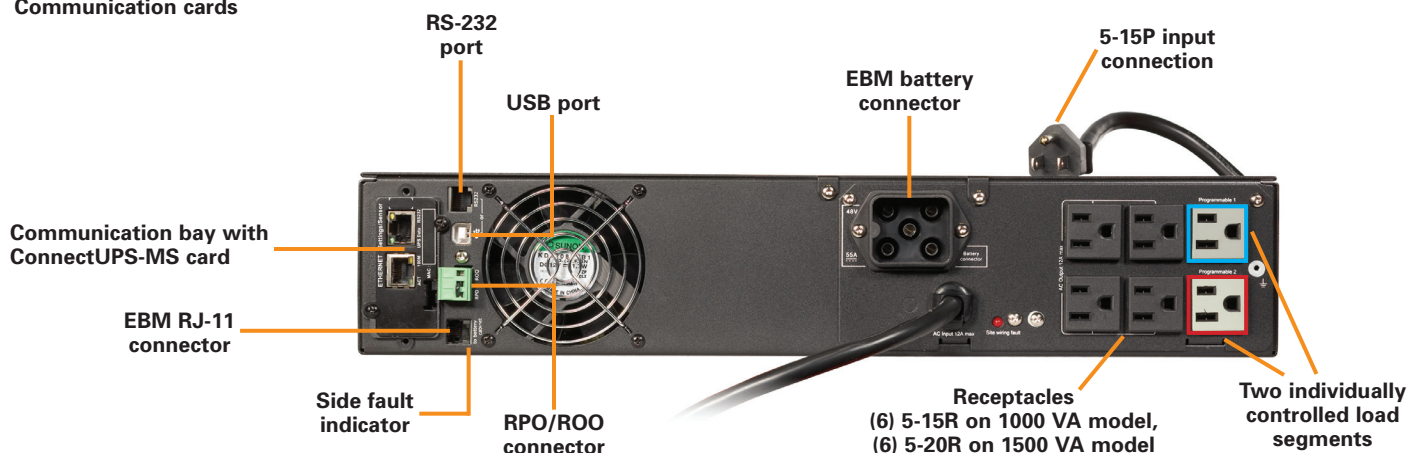
Communications

- 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 up to five servers running various operating systems
- Receive alarm notifications from the UPS, environmental monitoring devices or security systems

For more information on the 5130, please visit www.eaton.com/5130 800.356.5794

CISCO™ Compatible

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

Communication cards

Optional FlexPDU and HotSwap MBP for greater flexibility and uptime

RS-232 port

USB port

EBM battery connector

5-15P input connection

Communication bay with ConnectUPS-MS card

EBM RJ-11 connector

Side fault indicator

RPO/ROO connector

Receptacles (6) 5-15R on 1000 VA model, (6) 5-20R on 1500 VA model

Two individually controlled load segments

UPS rear panel (1000–1500 VA)

MODEL SELECTION GUIDE

Catalog Number	Rating (VA/Watts)	Input connection	Output receptacles[3]	Dimensions H x W x D, in (mm)	Weight, lb (kg)
North American Rack/Tower Models[1]: 120V, 50/60 Hz					
PW5130L1000-XL2U	1000/1000	5-15P (8 ft)	(6) 5-15R	3.4 x 17.4 x 20 (86.2 x 441 x 509)	53.6 (24.3)
PW5130L1500-XL2U	1500/1400	5-15P (8 ft)	(6) 5-15R	3.4 x 17.4 x 20 (86.2 x 441 x 509)	58.6 (26.6)
PW5130L2200-XL2U	2200[2]/1920	5-20P (8 ft)	(8) 5-20R[4]	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130L3000-XL2U	2880/2700	L5-30P (8 ft)	(1) L5-30R, (6) 5-20R[4]	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130L3000-XL3U	2880/2700	L5-30P (8 ft)	(1) L5-30R, (6) 5-20R[4]	5.1 x 17.4 x 19.1 (130.7 x 441 x 484)	75.6 (34.3)
Global Rack/Tower Models: 208V, 50/60 Hz					
PW5130G3000-XL2U	3000/2700	L6-20P (8 ft)	(2) L6-20R, (1) L6-30R	3.4 x 17.4 x 25 (86.2 x 441 x 634)	75.6 (34.3)
International Rack/Tower Models[5]: 230V, 50/60 Hz					
PW5130i1250-XL2U	1250/1150	C14-10A	(8) C13-10A	3.4 x 17.4 x 20 (86.2 x 441 x 509)	53.6 (24.3)
PW5130i1750-XL2U	1750/1600	C14-10A	(8) C13-10A	3.4 x 17.4 x 20 (86.2 x 441 x 509)	58.6 (26.6)
PW5130i2500-XL2U	2500/2250	C20-16A	(1) C19 16A, (8) C13 10A	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130i3000-XL2U	3000/2700	C20-16A	(1) C19 16A, (8) C13 10A	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130i3000-XL3U	3000/2700	C20-16A	(1) C19 16A, (8) C13 10A	5.1 x 17.4 x 19.1 (130.7 x 441 x 484)	75.6 (34.3)
Rack/Tower Extended Battery Modules					
PW5130N1750-EBM2U	NA	NA	NA	3.4 x 17.4 x 20 (86.2 x 441 x 509)	67.0 (30.4)
PW5130N3000-EBM2U	NA	NA	NA	3.4 x 17.4 x 25 (86.2 x 441 x 634)	91.9 (41.7)
PW5130N3000-EBM3U	NA	NA	NA	5.1 x 17.4 x 19.1 (130.7 x 441 x 484)	91.9 (41.7)

1. 120V models are user adjustable to 80-153V range.
2. This is the maximum configurable voltage. Nominal power rating is 1950/1920.
3. All models are equipped with (2) load segments (programmable outlets).
4. 5-20R can fit both 5-15P and 5-20P.
5. 230V models are adjustable to 150-294V range.

2U rackmount model with 2U EBM—add up to four EBMs for hours of runtime

BATTERY BACKUP TIMES (IN MINUTES)[1]

Load (VA/Watts)	Internal Batteries	+1 EBM	+2 EBMs	+3 EBMs	+4 EBMs
PW5130L1000-XL2U (with PW5130N1750-EBM2U)					
100/70	112	440	841	1196	1530
250/175	59	255	570	725	975
500/350	25	125	225	305	422
750/525	16	78	140	210	155
1000/700	10	56	100	150	192
1000/1000[2]	7	36	66	97	128
PW5130L1500-XL2U (with PW5130N1750-EBM2U)					
150/105	90	302	495	710	920
375/262	45	150	270	410	530
750/525	19	61	121	185	250
1125/787	10	45	70	110	150
1500/1050	7	32	58	84	111
1500/1400[2]	4	22	40	55	77
PW5130L2200-XL2U (with PW5130N3000-EBM2U)					
195/136	119	426	608	1082	1450
488/341	55	185	370	639	810
975/682	23	105	190	285	370
1463/1045	12	56	105	150	220
1950/1365	8	38	65	114	152
1950/1920[2]	5	27	48	70	97
PW5130L3000-XL2U / XL3U / PW5130G3000-XL2U (with PW5130N3000-EBM2U or -EBM3U, depending on UPS height)					
300/210	80	270	500	705	901
750/525	39	143	308	370	482
1500/1050	16	62	117	160	210
2250/1575	8	35	59	85	105
3000/2100	5	24	40	59	82
3000/2700[2]	3	17	32	47	62

1. Battery backup times, shown at 0.7 power factor, are approximate and may vary with equipment, configuration, battery age, temperature, etc. International model runtimes are available; please visit www.eaton.com/5130 for details.
2. Runtimes shown at full load with maximum power factor.
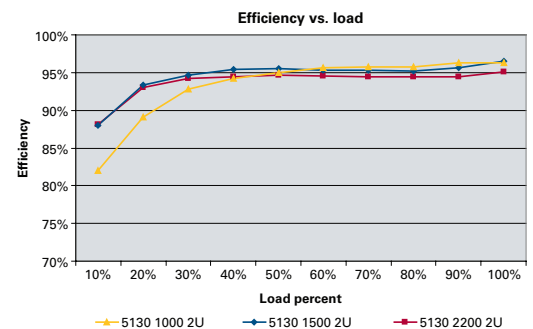

Tower pedestals and four-post rail kit are included (two-post rail kit optional)

Efficiency vs. load

Technical specifications[1]

General

LEDs	13 status-indicating LEDs
Topology	Line-interactive
Diagnostics	Full system self-test at power up
Transfer time	1–4 ms typical
ROO/RPO	Rear deck emergency stop connector (for remote on/off and power off)
Rail kit/tower stand	Included with all units

Electrical input

Nominal voltage	120/208/230 Vac
Voltage range[2]	120V: 89–151 Vac 208V: 160–263 Vac 230V: 160–294 Vac
Frequency	50/60 Hz
Frequency range	47–70 Hz for 50 Hz operation 56.5–70 Hz for 60 Hz operation
Power draw of UPS (full load)	1000: 8.33A @120V 1500: 12.50A @120V 2200: 16.25A @120V 3000: 25.4A @120V, 14.4 @ 208V

Electrical output

Power factor	0.9+
On utility voltage regulation	120V: 102–132 Vac 208V: 177–229 Vac 230V: 184–265 Vac
On battery voltage regulation	-10%, +6% of nominal
Efficiency	Normal or line mode: >94% On battery: 70% (1250–1750 VA), 75% (2500–3000 VA)
Frequency regulation	0.1 Hz
Over current protection	Electronic current limit
Load crest factor	3:1
Load segments	Two individually controlled output receptacle

Battery

Internal battery type	Sealed, lead-acid; maintenance free 1000/2200 VA: 12V/7.2 Ah 1500/3000 VA: 12V/9 Ah
EBM battery type	12V/9 Ah
Battery runtime	1000 VA: 7 min w/internal batteries @100% load (maximum PF) 1500 VA: 4 min w/internal batteries @100% load (maximum PF) 2200 VA: 5 min w/internal batteries @100% load (maximum PF) 3000 VA: 3 min w/internal batteries @100% load (maximum PF)
Battery replacement	Hot-swappable internal batteries
Start-on-battery	Allows start of UPS without utility input

Communications

Serial port	RS-232 (RJ45) ports
USB port	As standard (HID)
Optional communications slots	ConnectUPS-MS network management card and ModBus
Cables	RS-232 and USB 6-foot communications cables included
Power management software	Eaton Software Suite CD-ROM (bundled with UPS)

Environmental

Safety markings	120V: UL; cUL, NOM 230V: C-Tick; CE, TUV, cUL, UL
Safety conformance	120V: UL 1778; UL497A; cUL (CAN/CSA C22.2, No. 107.1) 230V: UL1778, UL 497A (data line only); cUL (CAN/CSA C22.2, No. 107.1); EN 50091-1-1 and IEC 60950
EMC compliance	120V: FCC Part 15 subpart B Class A 230V: EN 50091-2. FCC Part 15 subpart J Class A
Operating temperature	1250 VA: 0°C (32°F) to +40°C (104°F) 1750–3000 VA: 0°C (32°F) to +35°C (95°F)
Storage temperature	-15°C (5°F) to +50°C (122°F)
Relative humidity	20–95% non-condensing
Surge suppression	ANSI C62.41 Category A (formerly IEEE 587)
Audible noise	Max 45 dBA
Altitude	Up to 10,000 ft (3000M) without de-rating

Heat dissipation table (battery fully charged)

5130 model	Line mode, BTUs/hr	Battery mode, BTUs/hr
1000 VA	218	1,462
1500 VA	305	2,047
2200 VA	418	2,184
3000 VA	588	3,071

1. Due to continuing product improvement programs, all specifications are subject to change without notice.
2. The high and low thresholds can be user adjusted using the downloadable UPS Configuration tool.

The 5130 is part of the UPSgrade program

UPSgrade™

www.eaton.com/UPSgrade

PowerChain Management®

F·A·T·N
Powering Business Worldwide

vmware® | technology alliance **PARTNER**