

# Eaton 5130 UPS



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

## Product snapshot

---

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



**TAA compliant models  
now available!**

**Now featuring a  
3-year warranty with  
product registration!**

## 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)



*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](http://www.eaton.com/5130) 800.356.5794



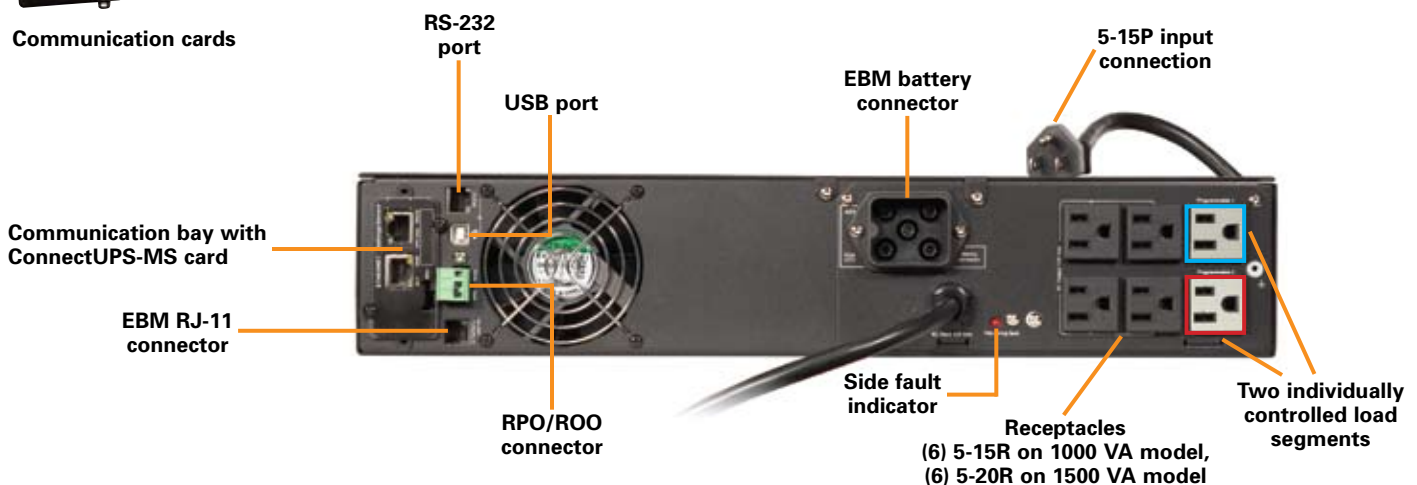
Eaton NetWatch Client 5.0 has tested compatible with Cisco Unified Communications Manager 4.3. Go to [www.eaton.com/PQ/cisco](http://www.eaton.com/PQ/cisco) for disclaimer.



Communication cards



Optional FlexPDU and HotSwap MBP for greater flexibility and uptime



## UPS rear panel (1000–1500 VA)

## MODEL SELECTION GUIDE

Catalog Number	Rating (VA/Watts)	Input connection	Output receptacles <sup>3</sup>	Dimensions H x W x D, in (mm)	Weight, lb (kg)
<b>North American Rack/Tower Models<sup>1</sup>: 120V, 50/60 Hz</b>					
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 <sup>2</sup> /1920	5-20P (8 ft)	(8) 5-20R <sup>4</sup>	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 <sup>4</sup>	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 <sup>4</sup>	5.1 x 17.4 x 19.1 (130.7 x 441 x 484)	75.6 (34.3)
<b>Global Rack/Tower Models: 208V, 50/60 Hz</b>					
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)
<b>International Rack/Tower Models<sup>5</sup>: 230V, 50/60 Hz</b>					
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)
<b>Rack/Tower Extended Battery Modules</b>					
PW5130N1750-EBM2U <sup>6</sup>	NA	NA	NA	3.4 x 17.4 x 20 (86.2 x 441 x 509)	67.0 (30.4)
PW5130N3000-EBM2U <sup>7</sup>	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)

### TAA Compliant SKUs

Eaton now offers TAA Compliant SKUs for the 5130. Please visit [www.eaton.com/taaup](http://www.eaton.com/taaup) for model specific information.

- 120V models are user adjustable to 80-153V range.
- This is the maximum configurable voltage. Nominal power rating is 1950/1920.
- All models are equipped with (2) load segments (programmable outlets).
- 5-20R can fit both 5-15P and 5-20P.
- 230V models are adjustable to 150-294V range.
- This EBM is compatible with 1000, 1250, 1500 and 1750 VA UPS models.
- This EBM is compatible with 2200, 2500 and 3000 VA UPS models.

### BATTERY BACKUP TIMES (IN MINUTES)<sup>1</sup>

Load (VA/Watts)	Internal Batteries	+1 EBM	+2 EBMs	+3 EBMs	+4 EBMs
<b>PW5130L1000-XL2U (with PW5130N1750-EBM2U)</b>					
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 <sup>2</sup>	7	36	66	97	128
<b>PW5130L1500-XL2U (with PW5130N1750-EBM2U)</b>					
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 <sup>2</sup>	4	22	40	55	77
<b>PW5130L2200-XL2U (with PW5130N3000-EBM2U)</b>					
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 <sup>2</sup>	5	27	48	70	97
<b>PW5130L3000-XL2U / XL3U / PW5130G3000-XL2U (with PW5130N3000-EBM2U or -EBM3U, depending on UPS height)</b>					
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 <sup>2</sup>	3	17	32	47	62

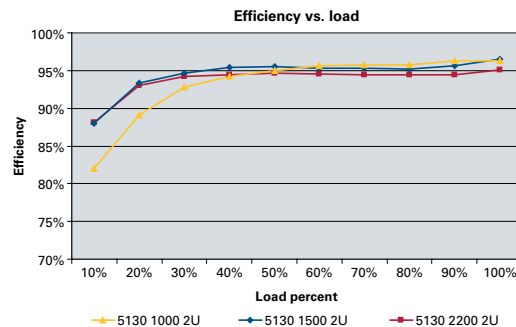
- Battery backup times, shown at 0.7 power factor, are approximate and may vary with equipment, configuration, battery age, temperature, etc. International model runtimes are available; please visit [www.eaton.com/5130](http://www.eaton.com/5130) for details.
- Runtimes shown at full load with maximum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



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



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



# Technical specifications<sup>1</sup>

## General

LEDs	13 status-indicating LEDs
Topology	Line-interactive
Diagnostics	Full system self-test at power up
Transfer time	1–4 ms typical
R00/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 <sup>2</sup>	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

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

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

CANADA  
Ontario: 416.798.0112  
Toll free: 1.800.461.9166

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

## 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

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

The 5130 is part of the UPSgrade program

**UPSgrade**<sup>TM</sup>

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



## 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: 46.8.598.940.00  
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

Eaton, Powerware, Intelligent Power and PowerChain Management are trade names, trademarks, and/or service marks of Eaton Corporation or its subsidiaries and affiliates. All other trademarks are the property of their respective owners.