

Eaton 5130 UPS Technical Specifications (North America)

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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	120/230 Vac
Voltage Range	120V: 89–151 Vac 230V: 160–294V (* The high and low thresholds can be user adjusted using the downloadable UPS Configuration tool)
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)	1250: 10.4A @120V, 5.4A @230V 1750: 14.6A @120V, 7.6A @230V 2500: 20.8A @120V, 10.9A @230V 3000: 25.4A @120V, 14.4 @208, 13.0A @230V
Electrical Output	
Power Factor	0.9
On Utility Voltage Regulation	120V: 102–132 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 receptacles
Battery	
Internal Battery Type	1250/2500 VA: 12V/7.2 Ah; sealed, lead-acid; maintenance free 1750/3000 VA: 12V/9 Ah; sealed, lead-acid; maintenance free
EBM Battery Type	12V/9 Ah
Battery Runtime	1250 VA: 5 min w/internal batteries @100% load (0.9 PF) 1750 VA: 3.5 min w/internal batteries @100% load (0.9 PF) 2500–3000 VA: 3 min w/internal batteries @100% load (0.9 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 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

Eaton 5130 Model	Line Mode, BTUs/hr	Battery Mode, BTUs/hr
1250 VA	250	1,682

1750 VA	348	2,340
2500 VA	490	2,559
3000 VA	588	3,071

(Battery fully charged)

Model Selection Guide

Catalog Number	Rating (VA/Watts)	Input connection	Output Receptacles	Dimensions H x W x D, in (mm)	Weight lb (kg)
North American Rack/Tower Models ¹ : 120V, 50/60 Hz					
PW5130L1250-XL2U	1250/1150	5-15P	(6) 5-15R	3.4 x 17.4 x 20 (86.2 x 441 x 509)	53.6 (24.3)
PW5130L1750-XL2U	1750/1600	5-20P	(6) 5-20R	3.4 x 17.4 x 20 (86.2 x 441 x 509)	58.6 (26.6)
PW5130L2500-XL2U	2500/2250	L5-30P	(1) L5-30R, (6) 5-20R	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130L3000-XL2U	2880/2700	L5-30P	(1) L5-30R, (6) 5-20R	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130L3000-XL3U	2880/2700	L5-30P	(1) L5-30R, (6) 5-20R	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	(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 ² : 230V, 50/60 Hz					
PW5130i1250-XL2U	1250/1150	IEC C14-10A	(8) IEC-C13-10A	3.4 x 17.4 x 20 (86.2 x 441 x 509)	53.6 (24.3)
PW5130i1750-XL2U	1750/1600	IEC C14-10A	(8) IEC-C13-10A	3.4 x 17.4 x 20 (86.2 x 441 x 509)	58.6 (26.6)
PW5130i2500-XL2U	2500/2250	IEC C20-16A	(1) IEC-C19 16A, (8) IEC-C13 10A	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130i3000-XL2U	3000/2700	IEC C20-16A	(1) IEC-C19 16A, (8) IEC-C13 10A	3.4 x 17.4 x 25 (86.2 x 441 x 634)	74.5 (33.8)
PW5130i3000-XL3U	3000/2700	IEC C20-16A	(1) IEC-C19 16A, (8) IEC-C13 10A	5.1 x 17.4 x 19.1 (130.7 x 441 x 484)	75.6 (34.3)

1. 120V models are user adjustable to 80-153V range user.
2. 230V models are adjustable to 150-294V range.
3. All models are equipped with (2) load segments (programmable outlets).

Battery Backup Times (in minutes)

Load (VA/Watts)	Internal Batteries	1 EBM	2 EBMs	3 EBMs	4 EBMs
PW5130L1250-XL2U / PW5130i1250-XL2U					
125/115	119	430	741	1052	1363
313/288	32	150	267	384	502
625/575	15	58	100	143	185
938/863	6	42	77	113	148
1250/1150	5	29	54	79	104
PW5130L1750-XL2U / PW5130i1750-XL2U					
175/160	80	245	410	575	740
438/400	24	96	168	240	312
875/800	9	36	62	89	115
1313/1200	6	24	42	60	79
1750/1600	3	16	28	41	53
PW5130L2500-XL2U / PW5130i2500-XL2U					
250/225	77	300	410	780	1064
625/563	28	122	207	309	412
1250/1125	11	55	100	150	206
2153/1938	6	31	59	90	120
2500/2250	3	23	42	63	85
PW5130L3000-XL2U / XL3U / PW5130i3000-XL2U / XL3U / PW5130G3000-XL2U					
300/270	70	242	448	634	820
750/675	24	105	180	255	330
1500/1350	10	44	73	101	130
2250/2025	5	25	47	69	91
3000/2700	3	17	32	47	62