

Eaton 5130 1250-3000VA 230V UPS Technical Specification

CONSTRUCTION

UPS Model	PW5130i1250 -XL2U	PW5130i1750 -XL2U	PW5130i2500 -XL2U	PW5130i3000 -XL2U	PW5130i3000 -XL3U
Rating	1250VA	1750VA	2500VA	3000VA	3000VA
Technology	Line interactive				
Cabinet Configuration	Rack/Tower convertible				
UPS Dimensions: in (mm) HxWxD / Rack Unit Height	87x441x509 2RU High	87x441x509 2RU High	87x441x634 2RU High	87x441x634 2RU High	131x441x484 3RU High
Weight (kg)	24.3	26.6	33.8	33.8	34.3
EBM Model	PW5130N1750-EBM2U		PW5130N3000-EBM2U		PW5130N3000-EBM3U
Rating	48VDC		72VDC		72VDC
Cabinet Configuration	Rack/Tower convertible				
EBM Dimensions: in (mm) HxWxD / Rack Unit Height	87x441x509, 2RU High		87x441x634, 2RU High		131x441x484, 3RU High
Weight (kg)	30.4		41.7		41.7

ENVIRONMENTAL & SAFETY

Ambient storage temperature	-15°C to + 50°C
Ambient service temperature	1250VA: 0°C to +40°C 1750-3000VA: 0°C to +35°C
Maximum service altitude	Up to 3000m above sea level without de-rating
Relative humidity	20 to 95%, no condensation
Degree of protection	IP20 (EN60529)
Acoustic Noise	Max 45 dBA
Surge Suppression	ANSI C62.41 Category A, (formerly IEEE 587)
Safety Conformance	EN 50091-1-1, IEC 60950;
EMC Compliance	EN 62040-2 C1, AS 62040-2 C1
Agency Markings	C-Tick, CE TUV, cUL

POWER CONNECTIONS

Input	1250-1750VA: IEC C14-10A 2500-3000VA: IEC C20-16A
Output	1250-1750VA: 8 x IEC C13-10A 2500-3000VA: 1 x IEC C19-16A & 8 x IEC C13-10A (Two groups of controlled outlets)

USER INTERFACE

Display	Illuminated ON/OFF button 13 x LED indicators for:- Programmable outlets 1 are supplied with power Programmable outlets 2 are supplied with power Bar-graph indicating the percent load Bar-graph indicating battery charge level Load protected LED Downgraded operation LED Load not protected
Standard Communication Ports	1 x USB (HID), 1x RS232 (RJ45) 1 x Remote Power Control terminal 1 x Mini-Slot Port (Empty)
Optional	Mini Slot cards; Web/SNMP, Relay

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ELECTRICAL CHARACTERISTICS – INPUT

Nominal input voltage	230V Single Phase (default), 200, 208, 220, 240 Vac (selectable)
Rated input voltage tolerance	Low Voltage Transfer to Battery: Factory set 160Vac Adjustable 160-180Vac High Voltage Transfer to Battery: Factory set 294Vac Adjustable 271-294Vac
Operating Frequency / Tolerance	50 or 60Hz; Tolerance 47-70Hz
UPS Input Current (full load)	1250VA: 5.4A @ 230V 1750VA: 7.6A @ 230V 2500VA: 10.9A @ 230V 3000VA: 13.0A @ 230V

ELECTRICAL CHARACTERISTICS – OUTPUT

Rated apparent/active power	1250VA / 1150W 1750VA / 1600W 2500VA / 2250W 3000VA / 2700W
Waveform	Sine Wave
Rated output voltage	230V Single Phase (default), 200, 208, 220, 240 Vac (selectable)* *10% derating of power at 200V
Output voltage variation	230V +6/-10%
Crest factor	3:1
Rated output frequency	50Hz or 60Hz Auto Sensing
Output frequency regulation	±0.1% (on battery)
Number of output phases	1 Phase

BATTERY

Battery Management	Weekly automatic battery test (selectable daily, weekly or monthly)
Battery Nominal Voltage	1250-1750VA: 48V (24 Cells) 2500-3000VA: 72V (36 Cells)
Battery Re-charge time	Six (6) hours to recover 90 percent of nominal backup time after 100 percent load discharge
UPS Battery Configuration	1250VA: (4) 12V, 7.2Ah internal batteries 1750VA: (4) 12V, 9.0Ah internal batteries 2500VA: (6) 12V, 7.2Ah internal batteries 3000VA: (6) 12V, 9.0Ah internal batteries Valve Regulated Lead Acid, AGM
EBM Configuration	PW5130N1750-EBM2U, 1250-1750VA: (2 strings of 4) 12V, 9.0Ah PW5130N3000-EBM2U, 1250-1750VA: (2 strings of 6) 12V, 9.0Ah PW5130N3000-EBM3U, 1250-1750VA: (2 strings of 6) 12V, 9.0Ah
Battery Replacement	Hot-swappable internal and external batteries

Battery Run Times Minutes @ Half / Full load	Internal Batts	+ 1 EBM	+ 2 EBMs	+ 3 EBMs	+ 4 EBMs
PW5130i1250-XL2U	15/5	58/29	100/54	143/99	185/104
PW5130i1750-XL2U	9/3	36/16	62/28	89/41	115/53
PW5130i2500-XL2U	11/3	55/23	100/42	150/63	206/85
PW5130i3000-XL2U	10/3	44/17	73/32	101/47	130/62
PW5130i3000-XL3U	10/3	44/17	73/32	101/47	130/62

NOTE: Battery times are approximate and vary depending on age, temperature, load configuration and battery charge.