

Eaton 5PX UPS Technical Specifications

Catalog Number	Rating (VA/W)	Input connection	Output receptacles	Dimensions H x W x D in	Net Weight lbs
120V, 50/60 Hz					
5PX1000RT	1000/1000	5-15P (8ft)	(8) 5-15R	3.4 x 17.4 x 20.6	62
5PX1500RT	1440/1440				65
5PX2200RT	1950/1920	5-20P (8ft)	(8) 5-20R		65
5PX3000RT2U	3000/2700	L5-30P (10ft)	(1) L5-30R	3.4 x 17.4 x 25.4	87
5PX3000RT3U			(6) 5-20R	5.1 x 17.4 x 19.6	86
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	63
5PX3000iRT2U	3000/2700		(8) C13-10A		84

Extended Battery Modules	Rating VA	For use with	Max qty / UPS	Dimensions H x W x D in	Net Weight lbs
5PXEBM48RT	48V	5PX1000RT 5PX1500RT 5PX2200RT	4	3.4 x 17.4 x 20.6	72
5PXEBM72RT2U	72V	5PX3000RT2U		3.4 x 17.4 x 25.4	102
5PXEBM72RT3U		5PX3000RT3U		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 www.eaton.com/5PX to view complete and updated product specifications.

5PX BATTERY BACKUP TIMES (in minutes)

Load (VA/Watts)	Internal Batteries	+1 EBM	+2 EBMs	+3 EBMs	+4 EBMs
5PX1000RT (with 5PXEBM48RT)					
100/70	120	462	796	1131	1466
250/175	69	286	490	695	899
500/350	30	145	254	364	473
750/525	17	83	151	219	286
1000/700	11	59	108	156	204
1000/1000 ²	7	39	71	103	135
5PX1500RT (with 5PXEBM48RT)					
150/105	81	334	550	765	981
375/262	43	187	315	442	569
750/525	18	87	150	214	277
1125/787	9	50	89	129	169
1500/1050	6	35	66	96	126
1500/1440 ²	3	21	41	62	82
5PX2200RT (with 5PXEBM48RT)					
195/136	71	274	465	656	847
488/341	39	154	270	385	501
975/682	16	67	123	179	236
1463/1045	8	36	67	93	128
1950/1365	5	26	48	65	93
2200/1920 ²	3	15	29	36	57
5PX3000RT2U or 5PX3000RT3U (with 5PXEBM72RT2U or 5PXEBM72RT3U)					
300/210	63	273	470	667	864
750/525	31	148	254	360	465
1500/1050	13	64	111	158	206
2250/1575	8	35	64	94	123
3000/2100	6	26	48	70	91
3000/2700 ²	4	19	35	52	68

- Battery backup times, shown at 0.7 power factor, are approximate and may vary with equipment, configuration, battery age, temperature, etc. International models runtimes are available; please visit www.eaton.com/5PX for details.
- Runtimes shown at full load with maximum power factor.

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Technical Specifications

General		Battery		
Graphical LCD	Graphical display. UPS Status in a single view.	Internal battery type	Sealed, lead-acid; maintenance free	
LEDs	3 status-indicating LEDs			
Topology	Line-interactive	Battery replacement	Hot-swappable internal batteries	
Diagnostics	Full system self-test at power up			
Transfer time	1–4 ms typical	Battery runtime	1000 VA: 9 min w/internal batteries @800W load	
ROO/RPO	Rear deck emergency stop connector (for remote on/off and power off)		1500 VA: 5 min w/internal batteries @1200W load	
Rail kit/tower stand	Included with all units		2200 VA: 3 min w/internal batteries @1760W load	
			3000 VA: 4 min w/internal batteries @2400W load	
Electrical input				
Nominal voltage	100/120/127/200/208/220/230/240 V	Start-on-battery	Allows start of UPS without utility input	
Voltage range	120V: 89–151 Vac	Communications		
	208V: 160–263 Vac	Serial port	RS-232 (RJ45) ports	
	230V: 160–294 Vac	USB port	As standard (HID)	
Frequency	50/60 Hz	Optional communications	ConnectUPS-MS Network Management Card	
Frequency range	47–70 Hz for 50 Hz operation	Cables	RS-232 and USB 6-foot communications	
	56.5–70 Hz for 60 Hz operation			
Power draw of UPS (full load)	1000: 8.33A @120V	Power management software	Intelligent Power® Software Suite	
	1500: 12.50A @120V	Environmental		
	2200: 16.25A @120V	Safety markings	120V: UL; cUL, NOM 230V: CE, CB report, TÜV, C-Tick	
	3000: 25.4A @120V, 14.4 @ 208V	Safety conformance	120V: UL 1778; UL497A; cUL 230V: IEC/EN 62040-1-1; IEC/EN 62040-3	
Electrical output		EMC compliance	120V: FCC Part 15 subpart B Class A 230V: IEC/EN 32010-2	
Power factor	0.9+	Operating temperature	0°C (32°F) to +40°C (104°F)	
On utility voltage regulation	120V: 102–132 Vac	Storage temperature	-15°C (5°F) to +50°C (122°F)	
	208V: 177–229 Vac	Relative humidity	20–95% non-condensing	
	230V: 184–265 Vac	Surge suppression	ANSI C62.41 Category A (formerly IEEE 587)	
On battery voltage	-10%, +6% of nominal	Audible noise	1kVA - 2.5kVA: < 45 dBA 3kVA: < 50dBA	
Efficiency	Normal or line mode: >94%	Altitude	Up to 10,000 ft (3000M) without de-rating	
	On battery: 70% (1000–1750 VA) 75% (2200–3000 VA)	Heat dissipation table		
Frequency regulation	0.1 Hz	5PX UPS model	Line mode, BTUs/hr	Battery mode, BTUs/hr
Over current protection	Electronic current limit	1000 VA	305	2047
		1500 VA	305	2047
		2200 VA	305	2047
Load segments	Two groups of two controlled outlets	3000 VA	305	2047