

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 (6) 5-20R | 3.4 x 17.4 x 25.4 | 87 |
| 5PX3000RT3U | | | | 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 (8) C13-10A | 3.4 x 17.4 x 25.4 | 63 |
| 5PX3000iRT2U | 3000/2700 | | | 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 | Battery replacement | Hot-swappable internal batteries | |
| Topology | Line-interactive | Battery runtime | 1000 VA: 9 min w/internal batteries @800W load | |
| Diagnostics | Full system self-test at power up | | 1500 VA: 5 min w/internal batteries @1200W load | |
| Transfer time | 1–4 ms typical | | 2200 VA: 3 min w/internal batteries @1760W load | |
| ROO/RPO | Rear deck emergency stop connector (for remote on/off and power off) | | 3000 VA: 4 min w/internal batteries @2400W load | |
| Rail kit/tower stand | Included with all units | Start-on-battery | Allows start of UPS without utility input | |
| Electrical input | | Communications | | |
| Nominal voltage | 100/120/127/200/208/220/230/240 V | Serial port | RS-232 (RJ45) ports | |
| Voltage range | 120V: 89–151 Vac | USB port | As standard (HID) | |
| | 208V: 160–263 Vac | Optional communications | ConnectUPS-MS Network Management Card | |
| | 230V: 160–294 Vac | Cables | RS-232 and USB 6-foot communications | |
| Frequency | 50/60 Hz | Power management software | Intelligent Power® Software Suite | |
| Frequency range | 47–70 Hz for 50 Hz operation | Environmental | | |
| | 56.5–70 Hz for 60 Hz operation | Safety markings | 120V: UL; cUL, NOM | |
| Power draw of UPS (full load) | 1000: 8.33A @120V | | 230V: CE, CB report, TÜV, C-Tick | |
| | 1500: 12.50A @120V | Safety conformance | 120V: UL 1778; UL497A; cUL | |
| | 2200: 16.25A @120V | | 230V: IEC/EN 62040-1-1; IEC/EN 62040-3 | |
| | 3000: 25.4A @120V, 14.4 @ 208V | EMC compliance | 120V: FCC Part 15 subpart B Class A | |
| Electrical output | | | 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 | |
| Efficiency | Normal or line mode: >94% | | 3kVA: < 50dBA | |
| | On battery: 70% (1000–1750 VA) | Altitude | Up to 10,000 ft (3000M) without de-rating | |
| | 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 |