Powering Business Worldwide

**Technical Specifications**

# Eaton 5P UPS technical specifications (550 - 3000 VA models)*

### Model overview

| Catalog number | Power rating (VA/watts) | Input | Output | Dimensions (HxWxD, in.) | Weight (lb.) |
|---|---|---|---|---|---|
| **5P Tower 120V, 50/60 Hz Models** | | | | | |
| 5P750 | 750/600 | 5-15P (6 ft) | 8 x 5-15R | 9.1 x 5.9 x 13.6 | 24 |
| 5P1000 | 1000/770 | 5-15P (6 ft) | 8 x 5-15R | 9.1 x 5.9 x 13.6 | 25 |
| 5P1500 | 1440/1100 | 5-15P (6 ft) | 8 x 5-15R | 9.1 x 5.9 x 17.5 | 36 |
| 5P2200 | 1950/1920 | 5-20P (8 ft) | 4 x 5-15R, 4 x 5-20R | 3.4 x 17.4 x 20.6 | 59 |
| 5P3000 | 3000/2700 | L5-30P (10 ft) | 4 x 5-15R, 4 x 5-20R, 1 x L5-30R | 3.4 x 17.4 x 25.4 | 81 |
| **5P Tower 208/230V, 50/60 Hz Models** | | | | | |
| 5P850G | 850/600 | C14 | 6 x C13 | 9.1 x 5.9 x 13.6 | 23 |
| 5P1550G | 1550/1100 | C14 | 8 x C13 | 9.1 x 5.9 x 17.5 | 34 |
| **5P Rackmount 1U 120V, 50/60 Hz Models** | | | | | |
| 5P550R | 550/420 | 5-15P (6 ft) | 5 x 5-15R | 1.7 (1U) x 17.2 x 14.3 | 20 |
| 5P750R | 750/600 | 5-15P (6 ft) | 5 x 5-15R | 1.7 (1U) x 17.2 x 20.0 | 31 |
| 5P1000R | 1000/770 | 5-15P (6 ft) | 5 x 5-15R | 1.7 (1U) x 17.2 x 20.0 | 33 |
| 5P1500R | 1440/1100 | 5-15P (6 ft) | 5 x 5-15R | 1.7 (1U) x 17.2 x 21.8 | 44 |
| **5P Rackmount 1U 208/230V, 50/60 Hz Models** | | | | | |
| 5P850GR | 850/600 | C14 | 6 x C13 | 1.7 (1U) x 17.2 x 20.0 | 30 |
| 5P1550GR | 1550/1100 | C14 | 8 x C13 | 1.7 (1U) x 17.2 x 21.8 | 43 |
| **5P Rackmount 2U 120V, 50/60 Hz Models** | | | | | |
| 5P1500RT | 1440/1440 | 5-15P (8 ft) | 8 x 5-15R | 3.4 x 17.4 x 20.6 | 65 |
| 5P2200RT | 1950/1920 | 5-20P (8 ft) | 4 x 5-15R, 4 x 5-20R | 3.4 x 17.4 x 20.6 | 65 |
| 5P3000RT | 3000/2700 | L5-30P (10 ft) | 4 x 5-15R, 4 x 5-20R, 1 x L5-30R | 3.4 x 17.4 x 25.4 | 87 |

### Runtime data**

| Load (watts) | 50 | 100 | 200 | 400 | 600 | 700 | 800 | 1000 | 1500 | 2500 |
|---|---|---|---|---|---|---|---|---|---|---|
| 5P550R | 37 | 19 | 9 | 3 | | | | | | |
| 5P750(R) 5P850G(R) | | 40 | 19 | 8 | 4 | | | | | |
| 5P1000(R) | | 51 | 25 | 11 | 7 | 6 | | | | |
| 5P1500(R) 5P1550G(R) | | | 47 | 20 | 12 | 10 | 8 | 5 | | |
| 5P1500RT | | | 56 | 26 | 15 | 11 | 9 | 7 | 3 | |
| 5P2200(RT) | | | 59 | 33 | 20 | 16 | 13 | 8 | 4 | |
| 5P3000(RT) | | | | 41 | 27 | 22 | 18 | 14 | 9 | 4 |

## Additional specifications

| General | 5P Tower | 5P Rackmount |
|---|---|---|
| Graphical LCD | Graphical display. UPS status in a single view | |
| LEDs | 3 status-indicating LEDs | |
| Topology | Line interactive | |
| Configuration | Tower | Rack 1U & Rack 2U |
| Color | Black and silver | |
| Diagnostics | Full system self test at power up | |
| Warranty | 3 years including batteries with product registration | |
| Rail kit | None | 4-post rail kit (included)<br>Optional 2-post rail kit:<br>• 1U(R): RK2PA<br>• 2U(RT): 103007018-5591 |
| Remote emergency power off | ROO and RPO: Rear connector for remote on/off and power off | |
| Contents (Ships with the following items) | UPS<br>User manual CD<br>Intelligent Power Software CD<br>Quick start guide<br>USB cable<br>RS-232 serial cable<br>*G-Models only:*<br>2 IEC-to-IEC jumper cables<br>*2200/3000 models only:*<br>Phillips head screw driver<br>Tower pedestals | UPS<br>User manual CD<br>Intelligent Power Software Suite CD<br>Quick start guide<br>4-post rail kit (5P550R ears only)<br>Extra wall mounting ear (5P1500R & 5P1550GR)<br>USB cable<br>RS-232 serial cable<br>*G-Models only:*<br>2 IEC-to-IEC jumper cables<br>Output cable locking system<br>Input cable locking system<br>*2200/3000 models only:*<br>Tower pedestals<br>Phillips head screw driver |
| **Electrical input** | | |
| Nominal voltage | 120V: 100/120/127V<br>230V(G models): 200/208/220/230/240V | |
| Default voltage | Low Voltage: 120V<br>High Voltage: 230V | |
| Input voltage range | 120V: 89-151 Vac<br>208V: 160-262 Vac<br>230V: 160-294 Vac | |
| Frequency | 50/60 Hz | |
| Frequency range | 60 Hz: 47–70 Hz<br>50 Hz: 56.5–70 Hz | |
| **Electrical output** | | |
| On utility voltage regulation | 120V: 102-132 Vac<br>230V: 184-256 Vac | |
| On battery voltage regulation | -10%, +6% of nominal | |
| Efficiency | Normal or line mode: >96% above 60% load | |
| Frequency tolerance | ±0.1Hz | |
| Over current protection | Electronic current limit | |
| Load segments | Two load segments for individual control | |
| **Battery** | | |
| Battery description | Sealed, lead-acid; maintenance free | |
| Battery management | ABM technology; 3-stage charging extends battery service life by 50% and provides advance warning for battery replacement | |
| Battery replacement | Hot-swappable internal batteries | |
| Start on battery | Cold-start enabled; first cold start is always forbidden | |

| | | |
|---|---|---|
| **Communications** | | |
| User interface | LCD graphical display. UPS status in a single view. | |
| LEDs | 3 status-indicating LEDs | |
| Communication ports | RS-232 (RJ45) port<br>USB port as standard (HID)<br>6-foot RS-232 and USB cables included | |
| Communications card slot | Network Card-MS (optional)<br>Relay-MS (optional) | |
| Power management software | Eaton Intelligent Power Software Suite CD (included) | |
| **Environmental & standards** | | |
| RoHS compliance | Yes | |
| Surge protection | IEEE ANSI C62.41 Cat B2 | |
| Safety conformance | 120V: UL1778; UL497A | |
| EMC compliance | 120V: FCC Part 15 subpart B Class B<br>120V (*2200/3000*): FCC Part 15 subpart B Class A | |
| EMC markings | IEC 62040-2 C1-C2 / EN 55024 / CISPR22 Class B / FCC part 15 Class B<br>*2200/3000*<br>IEC 62040-2 C1-C2 / EN 55024 / CISPR22 Class A / FCC part 15 Class A | |
| Audible noise | < 45 dB at 1 meter (3000VA: < 50 dB at 1 meter) | |
| Operating temperature | 0 to 35°C (32°F to 95°F) *5P1500RT, 2200 & 3000*: 0 to 40°C (32°F to 104°F) | |
| Safety conformance | CE / cULus / NOM | |
| Storage temperature | -15°C to 40°C (5°F to 104°F) | |
| Relative humidity | 0 to 95% non-condensing | |
| Altitude | Up to 10,000 ft (3000m) without de-rating | |
| **Heat dissipation (battery fully charged)** | | |
| **5P UPS Model** | **Line mode, BTU/hr** | **Battery mode, BTU/hr** |
| 5P550R | 72 | 344 |
| 5P750/5P850G/<br>5P750R/5P850GR | 82 | 389 |
| 5P1000/5P1000R | 106 | 500 |
| 5P1500/5P1550G<br>5P1500R/5P1550GR | 113 | 714 |
| 5P1500RT | 305 | 2047 |
| 5P2200/5P2200RT | 305 | 2047 |
| 5P3000/5P3000RT | 305 | 2047 |