

Eaton Evolution

650/850/1150/1550/2000 VA



Line interactive

High density protection for network devices

Maximum availability

- **Powershare:** the Eaton Evolution output sockets are individually controlled to provide load-shedding to maximise the backup time and provide remote reboot and sequential start-up as standard
- **Continuous power supply:** Hot swappable batteries. The optional HotSwap MBP (Maintenance By-Pass) module allows the UPS to be replaced without interrupting the power supply
- **Pure sinewave output:** when operating in batterie mode the Eaton Evolution still provides high quality output signal for sensitive connected equipment

Minimum total cost of ownership

- **Line-interactive HF technology:** the best price/performance ratio
- **No additional cost:** rack 1U and RT models are provided with the rail kits
- **Remote supervision:** a wide range of options using the Eaton Software suite, including point-to-point power management, SNMP, relay outputs, etc...



Total flexibility

Evolution has unmatched flexibility.

- **Format:** Evolution is available in tower format, rack 1U format, RT2U convertible rack/tower (2kVA model)
- **Communication:** the Evolution includes both serial and USB ports, plus remote On/Off connector and an extra slot for optional communication cards. The UPS comes with a complete Eaton software suite.



1U tower model

Advanced protection for:

- Rack servers
- Tower servers
- Network devices
- Storage systems



Powering Business Worldwide

Eaton Evolution UPS

650/850/1150/1550/2000 VA

- 1 Full user interface:
 - ON/OFF button for UPS and outlets
 - Load protected/ not protected LED
 - Utilised power level/Battery charge level
 - Status of switchable outlets
- 2 Panel for batteries replacement (Hot swappable)



- 3 1 x USB port + 1 x serial port + remote ON/OFF
- 4 4 x IEC 10A sockets, including 2 programmable sockets
- 5 Communication card slot

Eaton Evolution 1550 Tower

| Technical Specifications | 650 | 850 | 1150 | 1550 | 2000 |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Rating (VA/W) | 650 VA / 420 W | 850 VA / 600 W | 1150 VA / 770 W | 1550 VA / 1100 W | 2000 VA / 1600 W |
| Format | Tower or 1U Rack | Tower or 1U Rack | Tower or 1U Rack | Tower or 1U Rack | RT2U (tower / rack 2U) |
| Electrical characteristics | | | | | |
| Technology | Line-Interactive High Frequency (Booster + Fader) | | | | |
| Input voltage and frequency ranges without using batteries | 160V-294V (adjustable to 150V-294V) 47 to 70 Hz (50 Hz system), 56.5 to 70 Hz (60 Hz system), up to 40 Hz in low-sensitivity mode (programmable using Personal Solution-Pac software). | | | | |
| Output voltage and frequency | 230 V (+6/-10 %) (Adjustable to 200 V (10 % derating of output power) / 208 V / 220 V / 230 V / 240 V), 50/60 Hz +/- 0.1 % | | | | |
| Connections | | | | | |
| Input | 1 x IEC C14 (10A) socket | | | | |
| Outputs | 4 x IEC C13 (10A) | 4 x IEC C13 (10A) | 4 x IEC C13 (10A) | 4 x IEC C13 (10A) | 8 x IEC C13 (10 A) |
| Remotely controlled sockets | 2 groups of 1 x IEC C13 (10A) | 2 groups of 1 x IEC C13 (10A) | 2 groups of 1 x IEC C13 (10A) | 2 groups of 1 x IEC C13 (10A) | 2 groups of 2 x IEC C13 (10A) |
| Additional outputs with HS MBP | 4 x 3 Pin Aust or 6x IEC 10A sockets or terminal blocks (HW version) | | | | |
| Additional outputs with FlexPDU | 4 x 3 Pin Aust or 12 x IEC 10 A sockets | | | | |
| Batteries | | | | | |
| Typical backup times for 50 and 70% load | 9/6 min | 16/7 min | 14/7 min | 14/7 min | 14/7 min |
| Battery management | Automatic weekly test (period adjustable), automatic recognition of external battery units => continuous maximisation of backup time + deep discharge protection | | | | |
| Interfaces | | | | | |
| Communication ports | 1 x USB port + 1 x RS232 serial port and relay contacts (USB and RS232 ports cannot be used simultaneously) + 1 mini terminal block for remote ON/OFF and Remote Power Off | | | | |
| Communications card slots | 1 slot for NMC Minislot card or NMC ModBus/JBus or MC Contacts/Serial | | | | |
| Operating conditions, standards and approvals | | | | | |
| Operating temperature | 0 to 35°C | 0 to 35°C | 0 to 35°C | 0 to 40°C | 0 to 40°C |
| Noise level | < 40dba | < 40dba | < 40dba | < 40dba | < 45 dBA |
| Performance - Safety - EMC | IEC/EN 62040-1-1 (Safety), IEC/EN 62040-2 EN 50091-2 class B (EMC), IEC/EN 62040-3 (Performance), IEC/EN 61000-4-2, 61000-4-3, 61000-4-4; 61000-4-5, 61000-4-6, 61000-4-8 (EMI) | | | | |
| Approvals | CE, CB report, TÜV | | | | |
| Dimensions W x D x H / Weight | | | | | |
| Dimensions of the Tower | 147 x 418 x 234 mm | 147 x 418 x 234 mm | 147 x 418 x 234 mm | 147 x 492 x 234 mm | 440 x 509 x 86.2 (2U) mm |
| Dimensions of the Rack | 438 x 366 x 43.2 (1U) | 438 x 512 x 43.2 (1U) | 438 x 512 x 43.2 (1U) | 438 x 556 x 43.2 (1U) | 440 x 509 x 86.2 (2U) |
| Weight of the Tower/Rack | 8.4/10.1 kg | 10.85/16.1 kg | 12.5/16.6 kg | 16.53/20 kg | 25.7 kg |
| Customer Service & Support | | | | | |
| 2 years warranty | Standard product exchange, including the battery | | | | |
| Warranty+ | Optional 3-years warranty (depending on the country please visit www.eaton.com/powerquality) | | | | |

| Part Numbers | 650 | 850 | 1150 | 1550 | 2000 RT2U |
|------------------------|--------|--------|--------|--------|-----------|
| Tower | M68450 | M68452 | M68454 | M68457 | / |
| Rack1U | M68451 | M68453 | M68455 | M68458 | / |
| Convertible Tower/Rack | / | / | / | / | M68460 |



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