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 battery 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.

Advanced protection for:
- Rack servers
- Tower servers
- Network devices
- Storage systems
## Eaton Evolution UPS

650/850/1150/1550/2000 VA

### Technical Specifications

#### Rating (VA/W)

<table>
<thead>
<tr>
<th>Model</th>
<th>VA</th>
<th>W</th>
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<tbody>
<tr>
<td>650</td>
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#### Format

- 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) ±4 Hz
- 47 to 70 Hz (50 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 / 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)
- 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)
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- 2 groups of 1 x IEC C13 (10A)

#### Additional outputs with HS MBP

- 4 x 3 Pin Aust or 6 x IEC 10A sockets or terminal blocks (HW version)

### Batteries

#### Backup times

- 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

#### Noise level

- < 40dBa

#### 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
- 147 x 492 x 234 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 512 x 43.2 (1U)
- 438 x 512 x 43.2 (1U)

#### 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

#### Warranty

- 2 years warranty
- Standard product exchange, including the battery
- Optional 3-years warranty (depending on the country please visit www.eaton.com/powerquality)

### Part Numbers

<table>
<thead>
<tr>
<th>Model</th>
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