# Eaton EX
## 700/1000/1500 VA

### Ideal protection for:

- Servers, data storage and network equipment
- Telephony- VoIP
- Medical equipment- Industrial processes

## Double-conversion (on-line)

### Maximum availability

- **Topology:** double-conversion on-line UPS with automatic by-pass and power factor correction
- **Powershare:** the Eaton EX 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 HotSwap MBP (Maintenance By-Pass) module allows the UPS to be replaced without interrupting the power supply
- **Long backup times:** 1 to 4 EXB battery units can be added to the Eaton EX.

### Minimum total cost of ownership

- **Easy operation:** the LCD gives you access to a wide range of measurements and set-up menus
- **Remote supervision:** the Eaton Intelligent Power® Software offers a wide range of communication option including: SNMP and HTML, ModBus/JBus and relay outputs

### Total flexibility

Eaton EX has unmatched Flexibility.

- **Compatible with high power factor loads:** Eaton EX is rated for 0.9 power factor (700 VA/630 W, 1000 VA/900 W, 1500 VA/1350 W.
- **Communication:** the EX 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 Intelligent Power® Software.

# F·T·N
*Powering Business Worldwide*

# Eaton EX UPS

**1** LCD Multilingual display
- 6 languages,
- displays measurements,
- displays alarms,
- access to control and set-up menus.

**2** Panel for batteries replacement
(Hot-swappable)

**3** 1 USB port + 1 serial port + remote ON/OFF and emergency stop inputs.

**4** EXB battery unit connector.

**5** 6 IEC 10 A sockets, including 4 Powershare programmable sockets.

**6** Communication card slot.

| TECHNICAL SPECIFICATIONS | 700 | 1000 | 1500 |
|---|---|---|---|
| Rating (VA/W) | 700 VA / 630 W | 1000 VA / 900 W (1) | 1500 VA / 1350 W (1) |
| Format | Mini tower | | |
| **Electrical characteristics** | | | |
| Architecture | On-line double-conversion with automatic by-pass and power factor correction | | |
| Input voltage and frequency ranges without using batteries | 100/120/140/160 V to 284 V - 40 to 70 Hz for load level <20% / <33% / <66% / >=66% of rated output | | |
| Output voltage and frequency | 230 V (adjustable to 200/208/220/240/250 V), 50/60 Hz auto-select or frequency converter mode (2) | | |
| **Connections** | | | |
| Input | 1 IEC C14 (10 A) socket | | |
| Outputs | 6 IEC C13 (10 A) sockets | | |
| Remotely controlled Powershare sockets | 2 independent groups: 2 + 1 IEC C13 (10 A) sockets | | |
| **Battery** | | | |
| Typical backup times for 50 and 70% load (4) EX | 16 min / 10 min | 18 min / 12 min | 13 min / 9 min |
| EX + 1 EXB | / | 75 min / 50 min | 50 min / 35 min |
| EX + 4 EXB | / | 250 min / 200 min | 180 min / 120 min |
| Battery management | Automatic weekly test (period adjustable using LCD display or in software supplied), automatic recognition of external battery units => continuous maximisation of backup time + deep discharge protection | | |
| **Interfaces** | | | |
| Indicators and display | 3 LEDS + adjustable multilingual display: display of measurements, access to control and set-up menus | | |
| Communication ports | 1 USB port + 1 RS232 serial port and relay contacts (3) + 1 mini terminal block for remote ON/OFF and emergency stop | | |
| Communications card slots | 1 slot for NMC Minislot card (included in Netpack version) or NMC ModBus/JBus or MC Contacts/Serial | | |
| **Operating conditions, standards and approvals** | | | |
| Operating temperature noise level | 0°C to 40°C continuous, 45 dBA | | |
| Performance - Safety - EMC | IEC/EN 62 040-1, IEC/EN 62 040-2, IEC/EN 62 040-3 (VFI-SS-113), IEC/EN 60 950-1 (RD) | | |
| Approvals | CE, TüV GS, CB report, cTüV-US | | |
| **Dimensions (H x W x D) / Weight** | | | |
| EX | 242 x 153 x 440 mm / 12.5 kg | 242 x 153 x 440 mm / 15 kg | 242 x 153 x 490 mm / 18 kg |
| EX EXB | / | 242 x 153 x 440 mm / 21 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.eu/powerquality) | | |

**1**: Maximum rating with EXB battery units: Eaton EX 1000 = 800 W, Eaton EX 1500 =1200 W. **2**: Derated by 15% when used as a frequency converter. **3**: USB and RS232 serial ports cannot be used simultaneously. **4**: Runtimes are shown at 0.7 power factor. Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

| Part Numbers | 700 | 1000 | 1500 |
|---|---|---|---|
| EX | 68 180 | 68 181 | 68 183 |
| EX EXB | / | 68 185 | 68 185 |