

# 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.



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		
<b>Electrical characteristics</b>			
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)		
<b>Connections</b>			
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		
<b>Battery</b>			
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		
<b>Interfaces</b>			
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		
<b>Operating conditions, standards and approvals</b>			
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		
<b>Dimensions (H x W x D) / Weight</b>			
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	
<b>Customer Service &amp; Support</b>			
2 years warranty	Standard product exchange, including the battery		
Warranty+	Optional 3-years warranty (depending on the country please visit <a href="http://www.eaton.eu/powerquality">www.eaton.eu/powerquality</a> )		
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.			
<b>Part Numbers</b>			
	700	1000	1500
EX	68 180	68 181	68 183
EX EXB	/	68 185	68 185