

Eaton EX

700/1000/1500/2200/3000 VA

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Eaton EX h

Eaton EX Rack/Tower versatility

Ideal protection for:

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



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Eaton



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)



Eaton EX 3000

- 3 1 USB port + 1 serial port + remote ON/OFF and emergency stop inputs.
- 4 EXB battery unit connector.
- 5 EXB units recognised automatically.
- 6 8 IEC 10A sockets, including 4 Powershare programmable sockets and 1 IEC 16A socket.
- 7 Communication card slot.
- 8 Mountings for HotSwap MBP and FlexPDU.

TECHNICAL SPECIFICATIONS	700	1000 - 1000 RT2U	1500 - 1500 RT2U	2200	3000 - 3000 XL
Rating (VA/W)	700 VA / 630 W	1000 VA / 900 W(1)	1500 VA / 1350 W(1)	2200 VA / 1980 W	3000 VA / 2700 W(1)
Format	Mini tower	Mini tower or RT2U (tower/rack 2U)		RT2U (tower/rack 2U) and RT3U (tower/rack 3U)	
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 284V - 40 to 70 Hz for load level <20% / <33% / <66% / >=66% of rated output			100/120/160/184 V to 284V - 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)			230 V (adjustable to 200/208/220/240 V), 50/60 Hz auto-select or frequency converter mode	
Connections					
Input	1 IEC C14 (10A) socket			1 IEC C20 (16A) or terminal block on HotSwap MBP HW (Hard-Wired)	
Outputs	6 IEC C13 (10A) sockets			8 IEC C13 (10A) sockets + 1 IEC C19 (16A) socket	
Remotely controlled Powershare sockets	2 independent groups: 2 + 1 IEC C13 (10A) sockets			2 groups of 2 x IEC C13 (10A) on Eaton EX	
Additional outputs with HotSwap MBP FR/DIN/BS/IEC/HW	4 FR/Schuko sockets or 3 BS sockets or 6 IEC 10A sockets or terminal blocks (HW version)				
Additional outputs with FlexPDU FR/DIN/BS/IEC	8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets				
Battery					
Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL (4)					
EX	16 min / 10 min	18 min / 12 min	13 min / 9 min	17 min / 12 min	15 min / 10 min
EX + 1 EXB	/	75 min / 50 min	50 min / 35 min	85 min / 60 min	60 min / 40 min
EX + 4 EXB	/	250 min / 200 min	180 min / 120 min	285 min / 200 min	190 min / 150 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			CE, TÜV, CB Report, UL CE, TÜV, CB Report, UL	
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	440 x 131 x 490 mm (6) / 30 kg (3000 XL = 18 kg)	
EX (RT2U format)	/	86.5 x 438 x 483 mm / 18 kg	86.5 x 438 x 483 mm / 20.5 kg	86 x 440 x 640 mm / 31 kg	
EX EXB	/	242 x 153 x 440 mm / 21 kg		440 x 131 x 490 mm (6)	
EX EXB (RT2U format)	/	86.5 x 438 x 483 mm / 24.5 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)				
1: Maximum rating with EXB battery units: Eaton EX 1000 = 800 W, Eaton EX 1500 =1200 W and Eaton EX 3000=2400W. 2: Derated by 15% when used as a frequency converter. 3: USB and RS232 serial ports cannot be used simultaneously. 4: Except Eaton EX 3000 XL: UPS with high speed charger, without built-in batteries, for custom configurations: ask us for details. 5: Runtimes are shown at 0.7 power factor. Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc. 6: compatible with 600 mm deep rack					
Part Numbers	700	1000	1500	2200	3000
EX	68 180	68 181	68 183	68 400	68 402 - XL: 68 404
EX (RT2U format, includes rack kit)	/	68 182	68 184	68 401	68 403
EX HotSwap (RT3U format, includes rack kit + HotSwap MBP)	/	/	/	FR: 68406 DIN: 68407 BS: 68408 IEC: 68409 HW: 68410	FR: 68412 DIN: 68413 BS: 68414 IEC: 68415 HW: 68416
EX Netpack (RT2U format, includes rack kit and NMC card)	/	/	/	68 411	68 417
EX EXB	/	68 185	68 185	/	/
EX EXB (RT2U format, includes rack kit)	/	68 186	68 186	/	/
EX EXB (RT3U format, includes rack kit)	/	/	/	68 405	68 405
EX Rack Kit 2U/3U	/	/	/	68 441	68 441

