

ИБП Eaton EX 3000 3U Rack/Tower Hotswap IEC - Eaton EX UPS - Брошюра-листовка

Постоянная ссылка на страницу: https://eaton-power.ru/catalog/eaton-ex/eaton-ex-3000-3u-rack-tower-hotswa

Eaton EX 700/1000/1500/2200/3000 VA



Eaton EX 1500



Eaton EX Rack/Tower versatility

Ideal protection for:

- Servers, data storage and network equipment
- Telephony VolP
- 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. The Eaton EX 3000XL has a built-in super charger for extra long backup times

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 software suite offers a wide range of communication option including: SNMP and HTML, ModBus/JBus and relay outputs

Total flexibility

Eaton EX has unmatched Flexibility.

- Format: EX 700 to 1500 are available in tower format or RT2U convertible rack/tower format (compatible with short-depth rack). EX 2200 & 3000 are available in RT2U format (optimised for rack mounting) or RT3U (for tower or short-depth racks)
- Connections: with FlexPDU and HotSwap MBP, the RT2U and RT3U models can be connected by sockets or terminal blocks.

They can be installed as required, on the side or on top of the unit

- 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, 2200 VA/1980 W and 3000 VA/2700 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 software suite.



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 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.

Connections 1 IEC C14 (10A) socket 1 IEC C20 (16A) or terminal block on HotSwap MBP HW (Hard-Wired)	TECHNICAL SPECIFICATIONS	700	1000 - 1000 RT2U	1500 - 1500 RT2U	2200	3000 - 3000 XL	
Earmat Mini tower Mini tower or RT2U (tower/rack 2U) RT2U (tower/rack 2U) and RT3U (tower/rack 3U) Electrical characteristics On-line double conversion with automatic by-pass and power factor correction Architecture On-line double conversion with automatic by-pass and power factor correction Input voltage and frequency ranges 100/120/160/184 V to 284V - 40 tro 70 Hz 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 State 11EC C20 (16A) or terminal block on HotSwap Multi voltage and frequency converter mode(2) State 11EC C20 (16A) or terminal block on HotSwap Mpt MW (Hard-Wired) 11EC C14 (10A) socket 8 1EC C13 (10A) sockets + 1 1EC C19 (16A) sockets Outputs 6 1EC C13 (10A) sockets 8 1EC C13 (10A) sockets + 1 1EC C19 (16A) sockets 2 groups of z x1EC C13 (10A) sockets + 1 1EC C19 (16A) sockets Remotely controlled Powershare sockets 2 independent groups 2 + 1 1EC C13 (10A) sockets or 12 1EC 10A sockets or terminal blocks (HW version) 4 FR/Schuko sockets or 8 BS sockets or 12 1EC 10A sockets 8 1EC C13 (10A) socket + 1 1EC C19 (16A) min 15 min / 10 min 16 min / 10 min 18 min / 12 min 13 min / 9 min 17 min / 12 min 15 min / 10 min 16 min / 10 min 18 min / 12 min 13 min / 9 min 17 min / 12 min 15 min / 10 min 16 min / 14 min 10	Rating (VA/W)	700 VA / 630 W			2200 VA / 1980 W	3000 VA / 2700 W (1)	
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 100/120/160/164 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 (2) Connections 1 IEC C14 (10A) sockets 8 IEC C13 (10A) sockets - 1 IEC C19 (16A) sockets 2 groups of 2 x IEC C13 (10A) sockets - 1 IEC C19 (16A) sockets Cutputs 6 IEC C13 (10A) sockets or 3 BS sockets or 6 IEC 10A sockets 2 groups of 2 x IEC C13 (10A) sockets - 1 IEC C13 (10A) sockets Additional outputs with HatSwap MDP FK/DIN/BS/IEC 8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets 2 groups of 2 x IEC C13 (10A) sockets Statup 10 min 120 min		Mini tower	Mini tower or RT2U (to	ower/rack 2U)	RT2U (tower/rack 2U)	and RT3U (tower/rack 3U)	
Input voltage and frequency ranges 100/120/140/160 V to 284V - 40 to 70 Hz for load level -20% / <33% / <66% / >=66% of rated output 100/120/160/164 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 (2) Connections 11EC C14 (10A) socket 11EC C12 (16A) or terminal block on HotSwap MSP HW (Hard-Wired) Outputs 6.1EC C13 (10A) sockets 8.1EC C13 (10A) sockets - 2 groups of 2 x IEC C13 (10A) on Exton EX Additional outputs with HotSwap MBP FIV(IN/BS/ICC)HW 4 FR/Schuko sockets or 3 BS sockets or 12 IEC 10A sockets 2 groups of 2 x IEC C13 (10A) on Exton EX Additional outputs with HotSwap MBP FIV(IN/BS/ICC) 8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets 2 groups of 2 x IEC C13 (10A) on Exton EX Battery Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL(4) 16 min / 10 min 18 min / 12 min 13 min / 9 min 17 min / 12 min 15 min / 10 min EX + 1 EXB 17 min / 12 min 18 min / 12 min 18 min / 12 min 19 min i 15 min / 10 min 19 min i 15 min / 10 min 19 min i 15 min i 10 min 10 distable using LCD display or in software supplied), automatic recognition of external battery units => continuous maximisation of backup time + deep discharge protection Interfaces 3 LEDS + adjustable turbingual display, display of measurements, access to control and set-up menus Communications c	Electrical characteristics						
Input Voltage and requency 100 / 20 / 40 / 40 / 40 / 40 / 20 / 40 / 50 / 40 / 50 / 66 / / >=66 % of rated output for load level 20 / (-23 % / -26 % / >=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 (2) Output voltage and frequency 230 V (adjustable to 200/208/220/240 / 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 (2) Outputs 6 IEC C13 (10A) sockets 8 IEC C13 (10A) sockets + 1 IEC C19 (16A) sockets 2 groups of 2 x IEC C13 (10A) on Eaton EX Additional outputs with HotSwap MBP FR/01N/BS/IEC/HW 4 FR/Schuko sockets or 8 BS sockets or 12 IEC 10A sockets 2 groups of 2 x IEC C13 (10A) on Eaton EX Additional outputs with HexPDU FR/01N/BS/IEC/HW 4 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets 8 Fm/ 5 min / 10 min 18 min / 12 min 13 min / 9 min 17 min / 12 min 15 min / 10 min 18 min / 12 min 15 min / 10 min 180 min / 120 min 285 min / 200 min 190 min / 150 min 58 min / 60 min 40 min / 40 min 60 min / 40 min 162 x + 4 EXB / 250 min / 200 min 180 min / 120 min 285 min / 200 min 190 min / 150 min 190 min	Architecture	On-line double conver	sion with automatic by-	pass and power factor o	orrection		
frequency converter mode (2) 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 MDP HW (Hard-Wired) Outputs 6 IEC C13 (10A) sockets 8 IEC C13 (10A) sockets 2 groups of 2 x IEC C13 (10A) on Eaton EX Additional outputs with 4 FR/Schuko sockets or 3 BS sockets or 6 IEC 10A sockets or terminal blocks (HW version) Additional outputs with 8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets 2 groups of 2 x IEC C13 (10A) on Eaton EX Additional outputs with 8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets 50/60 Hz auto-select Batery Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL (4) EX EX 16 min / 10 min 18 min / 12 min 13 min / 9 min 17 min / 12 min 15 min / 10 min Battery 230 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 Indicators and display 3 LED S + adjustable and tilinglay display. display of measurements, access to control and set-up menus <tr< td=""><td></td><td colspan="3">100/120/140/160 V to 284V - 40 to 70 Hz</td><td colspan="2">for load level <20% / <33% / <66% / >=66% of</td></tr<>		100/120/140/160 V to 284V - 40 to 70 Hz			for load level <20% / <33% / <66% / >=66% of		
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) sockets 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 HexPOU FK/DIN/BS/IEC/HW 4 FR/Schuko sockets or 3 BS sockets or 6 IEC 10A sockets 2 groups of 2 x IEC C13 (10A) on Eaton EX Additional outputs with HexPOU FK/DIN/BS/IEC 8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets Hervision Battery Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL(4) 15 min / 10 min 18 min / 12 min 17 min / 12 min 15 min / 40 min EX + 1 EXB / 75 min / 50 min 50 min 250 min / 200 min 190 min / 100 min 190 min / 40 min Ext + 4 EXB / 250 min / 200 min 190 min / 120 min 285 min / 60 min 00 min / 40 min Interfaces Interfaces Isot for NMC Ministot card (included in Netpack version) or MAC ModBus/JBus or MC Contacts/Serial Operating conditions, standards and approvals 0 USB port + 1 RS223 serial port and relay contacts(3) + mini terminal block for remote 0N/OFF and emergency stop Communication ports 1 USB port + 1 RS223 serial port and relay contacts(3) + mini term	Output voltage and frequency			/60 Hz auto-select or			
MBP HW (Hard-Wired) Outputs 6 IEC C13 (10A) sockets 8 IEC C13 (10A) sockets 1 IEC C19 (16A) socket Additional outputs with 4 FR/Schuko sockets or 3 BS sockets or 6 IEC 10A sockets or terminal blocks (HW version) Additional outputs with 4 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets Batery 7 Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL (4) EX + 1 EX / 16 min / 10 min EX + 4 EXB / Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL (4) EX + 4 EXB / EX + 4 EXB / Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL (4) EX + 1 EX 16 min / 10 min EX + 1 EX / Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL (4) EX + 4 EXB / EX + 1 EX / Typical backup times for 50 and 70% load (5) except for Eaton EX 3000 XL (4) EX + 1 EXB / Startery 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 discharege protection Indicat	Connections						
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 FK/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 EX + 1 EXB / 7 5 min / 50 min 50 min / 20 min Battery 250 min / 200 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 RS22 serial port and relay contacts (3) + 1 min terminal block for remote ON/OFF and emergency stop Operating temperature noise level 0°C to 40°C continuous, 45 dBA Performance - Safety - EMC IEC/EN 62 040-2, IEC/EN 62 040-3 (VFI-SS-113), IEC/EN 60 950-1 (RD) Approvals CE, TüV CB Report, UL Querating temperature noise level 0°C to 40°C	Input						
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 HexPDU FR/DIN/BS/IEC 8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10A sockets Battery 16 min / 10 min 18 min / 12 min 13 min / 9 min 17 min / 12 min 15 min / 10 min EX 16 min / 10 min 18 min / 12 min 13 min / 9 min 17 min / 12 min 15 min / 10 min Ext + 1 EXB / 250 min / 200 min 285 min / 60 min / 60 min / 40 min EX + 4 EXB / 250 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 min iterminal 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 temperature noise level O°C to 40°C continuous, 45 dBA Performance - Safety - EMC IEC/EN 62 040-1, IEC/EN	Outputs	6 IEC C13 (10A) socket	S	8 IEC C13 (10A) sockets + 1 IEC C19 (16A) socket			
HotSwap MBP FR/DIN/BS/IEC/HW 4 FH/Schuko sockets of 3 BS sockets of 6 IEC 10A sockets of 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 / 200 min 285 min / 200 min 190 min / 40 min EX + 4 EXB / 250 min / 200 min 100 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 min iterminal block for remote 0N/OFF and emergency stop Operating conditions, standards and approvals 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) Performance - Safety - EMC IEC/EN 62 040-1, IEC/EN	Remotely controlled Powershare sockets	2 independent groups:	2 + 1 IEC C13 (10A) soc	kets	2 groups of 2 x IEC C1	3 (10A) on Eaton EX	
FlexPDU FR/DIN/BS/IEC 6 PR/Schlucb Suckets of 6 BS Suckets of 12 FEL T0A Suckets 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 16 min / 10 min EX + 4 EXB / 250 min / 200 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		4 FR/Schuko sockets o	or 3 BS sockets or 6 IEC	10A sockets or terminal	blocks (HW version)		
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 / 200 min 50 min / 35 min / 85 min / 60 min 60 min / 40 min EX + 4 EXB / 250 min / 200 min 100 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 R5232 serial port and relay contacts (3) + 1 mini terminal block for remote ON/OFF and emergency stop Operating conditions, standards and approvals 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, CÜV US CE, TüV, CB Report, UL Dimensions (H x W x D) / Weight EX 242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 440 mm / 31 kg EX (RT2U format) / 86.5 x 438 x 483 mm / 20.5 kg 86.		8 FR/Schuko sockets o	or 6 BS sockets or 12 IEC	C 10A sockets			
EX16 min / 10 min18 min / 12 min13 min / 9 min17 min / 12 min15 min / 10 minEX + 1 EXB/75 min / 50 min / 50 min / 35 min85 min / 60 min60 min / 40 minEX + 4 EXB/250 min / 200 min180 min / 120 min285 min / 60 min60 min / 40 minEX + 4 EXB/250 min / 200 min180 min / 120 min285 min / 200 min190 min / 150 minBattery managementAutomatic weekly test (period adjustable using LCD display or in software supplied), automatic recognition of external battery units => continuous maximisation of backup time + deep discharge protectionInterfacesIndicators and display3 LEDS + adjustable multilingual display: display of measurements, access to control and set-up menusCommunication ports1 USB port + 1 RS232 serial port and relay contacts (3) + 1 min iterminal block for remote ON/OFF and emergency stopCommunications card slots1 slot for NMC Minislot card (included in Netpack version) or NMC ModBus/JBus or MC Contacts/SerialOperating conditions, standards and approvals0°C to 40°C continuous, 45 dBAPerformance - Safety - EMCIEC/EN 62 040-2, IEC/EN 62 040-3 (VFI-SS-113), IEC/EN 60 950-1 (RD)ApprovalsCE, TüV GS, CB report, cTüV-USDimensions (H x W x D) / Weight242 x 153 x 440 mm /EX242 x 153 x 440 mm /EX (RT2U format)/18 kg20.5 kg20 kg (XRD)86.5 x 438 x 483 mm /242 x 153 x 440 mm / 21 kg440 x 131 x 490 mm (6)242 x 153 x 440 mm / 21 kg440 x 131 x 490 mm (6)18 kg2	Battery						
EX + 1 EXB/75 min / 50 min / 200 min50 min / 35 min / 35 min / 35 min / 200 min85 min / 60 min / 40 minEX + 4 EXB/250 min / 200 min / 120 min285 min / 200 min190 min / 150 minBattery managementAutomatic weekly test (period adjustable using LCD display or in software supplied), automatic recognition of external battery units => continuous maximisation of backup time + deep discharge protectionInterfacesIndicators and display3 LEDS + adjustable multilingual display: display of measurements, access to control and set-up menusCommunication ports1 USB port + 1 RS232 serial port and relay contacts (3) + 1 mini terminal block for remote ON/OFF and emergency stopCommunication scard slots1 slot for NMC Minislot card (included in Netpack version) or NMC ModBus/JBus or MC Contacts/SerialOperating conditions, standards and approvals0°C to 40°C continuous, 45 dBAPerformance - Safety - EMCIEC/EN 62 040-2, IEC/EN 62 040-3 (VFI-SS-113), IEC/EN 60 950-1 (RD)ApprovalsCE, TüV GS, CB report, cTüV-USDimensions (H x W x D) / WeightEX242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 490 mm / 440 x 131 x 490 mm (6) / 12.5 kgI2.5 kg15 kgI8 kg20.5 kgEX (RT2U format)/1 8 kg20.5 kg242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 440 mm / 21 kg440 x 131 x 490 mm (6)EX EXB/242 x 153 x 440 mm / 242 x 153 x 440 mm / 21 kg440 x 131 x 490 mm (6)242 x 153 x 440 mm / 21 kg440 x 131 x 490 mm (6)242 x 153 x 440 mm / 21 kg </td <td>Typical backup times for 50 and 70% load</td> <td>I (5) except for Eaton EX</td> <td>3000 XL(4)</td> <td></td> <td></td> <td></td>	Typical backup times for 50 and 70% load	I (5) except for Eaton EX	3000 XL(4)				
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 0°C to 40°C continuous, 45 dBA Performance - Safety - EMC IEC/EN 62 040-1, 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 Dimensions (H x W x D) / Weight EX 242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 490 mm / 440 x 131 x 490 mm (6) / 12.5 kg EX (RT2U format) / 86.5 x 438 x 483 mm / 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) / EX EXB (RT2U format)		16 min / 10 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 0N/OFF and emergency stop Operating conditions, standards and approvals 0°C to 40°C continuous, 45 dBA 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 / 242 x 153 x 440 mm / 242 x 153 x 490 mm / 440 x 131 x 490 mm (6) / 12.5 kg 18 kg 30 kg (3000 XL = 18 kg) EX (RT2U format) / 86.5 x 438 x 483 mm / 18 kg 20.5 kg 440 x 131 x 490 mm (6) / 242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 440 mm / 21 kg 440 x 131 x 490 mm (6) / 20.5 kg EX (RT2U format) / 86.5 x 438 x 483 mm / 20.5 kg 46 x 440 x 640 mm / 31 kg EX EXB (RT2U format) / 86.5 x 438 x 483 mm / 20.5 kg 40 x 131		1					
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Indicators and display3 LEDS + adjustable multilingual display: display of measurements, access to control and set-up menusCommunication ports1 USB port + 1 RS232 serial port and relay contacts (3) + 1 mini terminal block for remote ON/OFF and emergency stopCommunications card slots1 slot for NMC Minislot card (included in Netpack version) or NMC ModBus/JBus or MC Contacts/SerialOperating conditions, standards and approvalsOperating temperature noise level0°C to 40°C continuous, 45 dBAPerformance - Safety - EMCIEC/EN 62 040-1, IEC/EN 62 040-2, IEC/EN 62 040-3 (VFI-SS-113), IEC/EN 60 950-1 (RD)ApprovalsCE, TüV GS, CB report, cTüV-USCE, TüV, CB Report, UL CE, TüV, CB Report, ULDimensions (H x W x D) / WeightEX242 x 153 x 440 mm /EX (RT2U format)/242 x 153 x 440 mm /242 x 153 x 440 mm /242 x 153 x 440 mm /242 x 153 x 440 mm /86 5 x 438 x 483 mm /86 5 x 438 x 483 mm /86 x 440 x 640 mm / 31 kgEX (RT2U format)/2 EX (RT2U format)/2 EX (RT2U format)/2 ears warrantyStandard product exchange, including the battery	Battery management						
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 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 / 242 x 153 x 440 mm / 242 x 153 x 490 mm / 440 x 131 x 490 mm (6) / 12.5 kg EX (RT2U format) / 86.5 x 438 x 483 mm / 24.5 kg EX (RT2U format) / 242 x 153 x 440 mm / 21 kg 440 x 131 x 490 mm (6) 440 x 131 x 490 mm (6) 440 x 131 x 490 mm (6) 242 x 153 x 440 mm / 21 kg 440 x 131 x 490 mm (6) 242 x 153 x 440 mm / 24.5 kg / / 242 x 153 x 440 mm / 24.5 kg /	Interfaces						
Communications card slots1 slot for NMC Minislot card (included in Netpack version) or NMC ModBus/JBus or MC Contacts/SerialOperating conditions, standards and approvals0°C to 40°C continuous, 45 dBADeperating temperature noise level0°C to 40°C continuous, 45 dBAPerformance - Safety - EMCIEC/EN 62 040-1, IEC/EN 62 040-2, IEC/EN 62 040-3 (VFI-SS-113), IEC/EN 60 950-1 (RD)ApprovalsCE, TüV GS, CB report, cTüV-USDimensions (H x W x D) / WeightEX242 x 153 x 440 mm /EX242 x 153 x 440 mm /242 x 153 x 440 mm /440 x 131 x 490 mm (6) /12.5 kg15 kg18 kg30 kg (3000 XL = 18 kg)EX (RT2U format)/18 kg20.5 kgEX EXB/242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 440 mm /86 5 x 438 x 483 mm /87 0 242 x 153 x 440 mm / 21 kg87 0 242 x 153 x 440 mm / 21 kg87 0 242 x 153 x 440 mm / 21 kg87 0 242 x 153 x 440 mm / 21 kg87 0 242 x							
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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 / 242 x 153 x 440 mm / 242 x 153 x 490 mm / 440 x 131 x 490 mm (6) / 12.5 kg EX 242 x 153 x 440 mm / 15 kg 18 kg 30 kg (3000 XL = 18 kg) EX (RT2U format) / 86.5 x 438 x 483 mm / 20.5 kg 86 x 440 x 640 mm / 31 kg EX (RT2U format) / 242 x 153 x 440 mm / 21 kg 440 x 131 x 490 mm (6) 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 / Z years warranty Standard product exchange, including the battery / /			<u>t card (included in Netp</u>	ack version) or NMC M	odBus/JBus or MC Con	tacts/Serial	
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 242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 490 mm / 440 x 131 x 490 mm (6) / EX 242 x 153 x 440 mm / 242 x 153 x 440 mm / 242 x 153 x 490 mm / 440 x 131 x 490 mm (6) / EX 242 x 153 x 440 mm / 242 x 153 x 483 mm / 86.5 x 438 x 483 mm / 86.5 x 438 x 483 mm / 86.5 x 438 x 483 mm / 86 x 440 x 640 mm / 31 kg EX (RT2U format) / 242 x 153 x 440 mm / 21 kg 440 x 131 x 490 mm (6) 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 / / EX EXB (RT2U format) / 86.5 x 438 x 483 mm / 24.5 kg / / Questioner Service & Support Z Z Z Z Z Z Z Years warranty Standard product exchange, including the battery Z / /							
Approvals CE, TüV GS, CB report, cTüV-US CE, TüV, CB Report, UL 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 / 18 kg 20.5 kg EX EXB (RT2U format) / 86.5 x 438 x 483 mm / 24.5 kg / Quarter Service & Support / 20.5 kg / 2 years warranty Standard product exchange, including the battery /							
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EX EXB (RT2U format) / 86.5 x 438 x 483 mm / 24.5 kg / / Customer Service & Support	EX (RT2U format)	/			86 x 440 x	640 mm / 31 kg	
Customer Service & Support 2 years warranty Standard product exchange, including the battery		1			440 x 131	1 x 490 mm (6)	
2 years warranty Standard product exchange, including the battery	EX EXB (RT2U format)		86.5 x 438 x 483 mm / 2	24.5 kg			
	Customer Service & Support						
Warranty+ Optional 3-years warranty (depending on the country please visit www.eaton.com/powerquality)	2 years warranty						
	Warranty+	Optional 3-years warra	anty (depending on the	country please visit www	w.eaton.com/powerqual	ity)	

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)	1	1	/	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

