ИБП Eaton / MGE Pulsar MX Frame - Eaton MX & MX Frame - Листовка

Постоянная ссылка на страницу: https://eaton-power.ru/catalog/mge-pulsar-mx-frame/

Eaton MX
4/5/8/10/15/20 kVA

Eaton MX versatility

Eaton MX Frame

Advanced protection for:

- Departmental networks, servers and workstations

Double conversion (on-line)

High performance UPS upgradeable from 4 kVA to 20 kVA

Continuous power supply

- Two front access hot-swappables sub-modules (power and battery) for maintenance without load interruption
- Automatic battery test (test period can be set)
- Internal bypass built-in to supply the load even if the UPS fails
- Large input voltage and frequency ranges to avoid using the batteries unnecessarily

Total flexibility

- Can be used as a free-standing tower unit or 19″ rack-mounted: only 3U for Eaton MX 4000 and 5000, 16U for Eaton MX Frame
- LCD multilingual display with mimic and LEDs for rapid view of the UPS status, diagnostics and event log
- **Outputs:** IEC 10A and 16A outlet sockets and hardwired outputs.
- Built-in Powershare system for remote reboot of the equipment connected, sequential start-up or load shedding while operating from battery to maintain the power to critical loads
- Eaton MX Frame is compatible with three phase or single phase supplies
- **Backup time:** 10 mins up to 2 hours by adding 3U battery extension modules
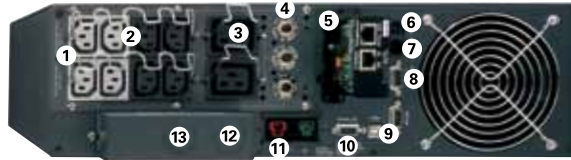
Minimum total cost of ownership (TCO)

- More power with an output power factor of 0.9
- When the power supply needs to be upgraded, the Eaton MX 4000 and 5000 can be paralleled to provide 8 kVA or 10 kVA using the ModularEasy kit: without extra cost on the initial purchase
- Eaton MX Frame is a modular system with 5 kVA sub-modules paralleled to provide up to 20 kVA or 15 kVA with redundancy

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Powering Business Worldwide

Eaton MX UPS

1 8 IEC 10A sockets
2 Retention clips
3 2 IEC 16A sockets
4 Output circuit protection
5 1 minislot for NMC, Modbus/JBus or MC Contacts/Serial card
6 RJ11 remote power off

Eaton MX 4000/5000

7 RJ45 EXB battery module detection
8 DB 9 with 5 output contacts
9 DB 9 serial and USB ports
10 DB 15 for paralleling
11 EXB battery extension module power connector
12 Input
13 Output

TECHNICAL SPECIFICATIONS	4000	5000	MX Frame 15 000	MX Frame 20 000
Rating (kVA/kW)	4 kVA / 3.6 kW	5 kVA / 4.5 kW	15 kVA / 13.5 kW	20 kVA / 18 kW
Paralleling				
Maximum rating / redundancy [1]	8 kVA / 4 kVA + 4 kVA redundancy	10 kVA / 5 kVA + 5 kVA redundancy	15 kVA / 10 kVA + 5 kVA redundancy 5 kVA + 2 x 5 kVA redundancy	20 kVA / 15 kVA + 5 kVA redundancy 10 kVA + 2 x 5 kVA redundancy
Inputs				
Technology	VFI-SS-113, on-line double conversion with power factor correction, convection cooled static bypass switch			
Number of phases, input connections	L + N, terminals up to 6 mm^2	L + N, terminals up to 6 mm^2	L + N or 3P + N, terminals up to 35 mm^2, separate or common AC normal and AC bypass	
Nominal voltage	200/208/220/230/240/250 V	200/208/220/230/240/250 V	200/208/220/230/240/250 V (L + N) or 380/400/415 V (3P + N)	
Voltage range without using battery [2]	120 - 280 V	120 - 280 V	120 - 280 V (L + N), 250 - 465 V (3P + N)	
Input frequency range, THDI	40-70 Hz, < 7%			
Outputs				
Output connections [3]	Terminals + 8 IEC C13 (10A) + 2 IEC C19 (16A)		Terminals + 8 IEC C13 (10A) + 4 IEC C19 (16A)	
Remotely controlled Powershare sockets	2 groups (2 IEC C13 10A per group)			
Output voltage and frequency [4], THDU, efficiency [5]	200/208/230/240 /250 V, 50 / 60 Hz autoselect, frequency converter as standard, < 2%, 97%			
Backup time [6]				
Eaton MX standard backup time	10 minutes	8 minutes	8 minutes	8 minutes
Eaton MX + EXB / MX + 2 EXB / MX + 3 EXB	45 / 80 / 120 minutes	35 / 60 / 95 minutes	35 min (3 EXB)/60 min (6 EXB) /90 min (9 EXB) [7]	35 min (4 EXB)/60 min (8 EXB) /90 min (12 EXB)
Communications				
Slots	1 slot (MX) or 2 slots (MX Frame) for Network Management Card, NMC ModBus/JBus card or MC Contacts/Serial card			
Ports	Remote Power off (RJ11), 5 output contacts (DB9), setup using Solution-Pac [8] , (USB and DB9-serial ports), EXB module detection (RJ45), paralleling (DB 15)			
Operating conditions, standards and approvals				
Performance, safety, EMC, surge protection	IEC/EN 62 040-3, IEC/EN 62 040-1, IEC/EN 62 040-2 class A (class B as option), 4 kV IEC 61 643, UL 1778 and CSA 22.2 [9]			
Operating temperature, noise, approvals, guarantee	0°C to 40°C continuous, 45 dbA [10], UL, TüV, GS mark, CB, C-Tick, CE, IEC 61 931, one year [11]			
Dimensions H x W x D / Weight				
Eaton MX standard backup tower	444.5 mm x 130.6 mm x 735 mm / 57 kg		Tower 690mm high (795mm casters) x444.5mm wide x735mm deep / 250 kg	
Eaton MX standard backup rack	3U x 444.5 mm wide compatible with 800-1000 mm deep rack		Rack 16U x 444.5 mm wide, compatible with 800-1000 mm deep rack	
Eaton MX EXB battery unit tower / rack	444.5 mm x 130.6 mm x 650 mm / 3U x 444.5 mm wide / 70 kg		Dimensions same as MX Frame / 194 kg for 15 kVA, 239 kg for 20 kVA	
Eaton MX ModularEasy, paralleling kit	Dimensions same as EXB battery unit / 10 kg		/	
Customer Service & Support				
1 year guarantee, including batteries.				
Warranty+	Optional 3-years warranty (depending on the country please visit www.eaton.com/powerquality)			

1: Eaton MXs can be paralleled using ModularEasy. **2**: At 70% load. **3**: 4 IEC C13 (10A) 2 m long cables for use with retention clips (8 cables for use with Eaton MX Frame). **4**: Frequency conversion for non-paralleled units only. **5**: Economy mode, 91% in normal mode. **6**: At 70% nominal rating with power factor 0.7 typical values after 3 charge/discharge cycles, with 3-5 years old batteries. Weekly battery test without interrupting the load (daily or monthly if required). EXB compatible with 0.8 power factor loads. **7**: With Eaton MX Frame EXB (4 battery units). **8**: Solution-Pac CD-ROM supplied as standard. **9**: Applicable to US models. **10**: 50 dbA above 5 kVA. **11**: Depending on the country, see www.eaton.com/powerquality.

Part Numbers	MX 4000	MX 5000	MX Frame 15 000	MX Frame 20 000
Eaton MX Tower or rack-mounting: standard backup time	68 501	68 504	68 513 [1]	68 514 [2]
Eaton MX Netpack: standard backup time + NMC + rack kit	68 502	68 505	68 513 [1]	68 514 [2]
Eaton MX EXB: battery extension module	68 515	68 515	add multiple MX EXB : 68 515	
Eaton MX ModularEasy: paralleling kit (2 Eaton MX)	68 520	68 520	/	/
Eaton MX / EXB Rack Kit: rail kit for 19" rack mounting	68 002	68 002	/	/
IEC 32 A kit , 2 X 2 m long cables: male to hardwired and female to hardwired	68 525	68 525	/	/
MX 1,8 m Battery extension cable	68 528	68 528	68 528	68 528
MX Battery / Power electronics sub-module	68 524 / 68 522	68 524 / 68 523	68 524 / 68 523	68 524 / 68 523
Eaton MX Frame empty chassis	/	/	68 526	68 526
Battery Integration System (up to 9 EXB)	/	/	68 527	68 527

1: (with rack kit, casters, NMC card) 68 513 = 68 526 (empty Eaton MX Frame) + 3 x 68 524 + 3 x 68 523.
2: (with rack kit, casters, NMC card) 68 514 = 68 526 (empty Eaton MX Frame) + 4 x 68 524 + 4 x 68 523.

www.eaton.com/powerquality