

Amplon MX Series UPS

Single-phase, 1.1-3 kVA, 230 Vac

Reliable Power Protection for Small and Medium Business

The Amplon MX line-interactive UPS provides pure sine-wave quality compatibility for versatile application to protect devices and prevent small-and-medium businesses from power failure and voltage variations all in a small footprint. The Amplon MX series features enhanced output power factor 0.9, and AVR efficiency up to 96.5%, resulting in a greater power supply for critical loads at significantly less operating cost.



Availability

- Microprocessor-based line interactive design for fast response to power disturbances
- Programmable outlet disconnects non-critical loads when a blackout occurs and reserves more battery power for critical loads
- Automatic voltage regulator (AVR) delivers stable output voltage during brownouts or over-voltages
- Wide input voltage range allows the UPS to work in harsh electrical environments
- Hot-swappable battery design protects equipment during battery replacement

Flexibility

- Supports both rack and tower installation
- Excellent management through a user-friendly graphical and easy-shift LCD display to suit different installation formats
- Supports multiple communication interfaces, including USB port, RS-232, Mini Slot, Surge Protection, and REPO for enhanced monitoring and manageability

Low Total Cost of Ownership

- Output power factor is up to 0.9 to provide more real power to critical loads
- Delivers up to 98.5% efficiency at full load in normal operating mode
- Wide input range and protection against over voltage prolongs battery life



IT



Financial



Government



SME



Retail



Technical Specifications

Model	MX-1.1K	MX-2K	MX-3K
Topology	Line interactive		
Waveform	Sinewave		
Power Rating	1.1 kVA 0.99 kW	2 kVA 1.8 kW	3 kVA 2.7 kW
INPUT			
Nominal Voltage	200/208/220/230(default)/240 Vac, 1P2W+PE		
Voltage Range	170-280 Vac ⁽¹⁾		
Frequency Range	45-65 Hz		
Plug Type ⁽¹⁾	IEC C14	IEC C20	
OUTPUT			
Nominal Voltage	200/208/220/230/240 Vac, 1P2W+PE		
Voltage Regulation	±1.5%		
Frequency	50/60 ± 1 Hz		
Total Harmonic Distortion (THDv)	< 2% (linear load); < 5% (non-linear load)		
Power Factor	0.9		
Connection	Programmable outlet IEC C13 x4, Non-programmable outlet IEC C13 x4		Programmable outlet IEC C13 x4, Non-programmable outlet IEC C13 x4, IEC C19 x1
Overload Capability	< 103%: continues; 103-120%: 5 mins; 120-150%: 10 secs		
Current Crest Ratio	3:1		
EFFICIENCY			
Normal Mode	98%	98.3%	98.5%
AVR Mode	95.5%	96.5%	
BATTERY			
Battery Type	VRLA		
Nominal Voltage	24 Vdc	48 Vdc	72 Vdc
Quantity	2 pcs	4 pcs	6 pcs
Runtime	100% Load 75% Load	2.7 mins 5 mins	3.4 mins 6.1 mins
Recharge Time	4 hours to 90%		
COMMUNICATION INTERFACE			
Display	LCD display with LED indicators		
Port	USB, RS-232, Mini slot, REPO, Surge protection		
Audible Alarm	Battery mode, Low battery, Battery missing/replacement, Overload, Fault, EPO enable, Over temperature		
Emergency Power Off	Yes		
PHYSICAL			
Dimensions (W x D x H)	438 x 410 x 88 mm	438 x 510 x 88 mm	438 x 630 x 88 mm
Net Weight	14.1 kg	21.3 kg	32.1 kg
Packing Dimensions (W x D x H)	500 x 560 x 180 mm	565 x 700 x 200 mm	600 x 760 x 200 mm
Packing Weight	16.1 kg	29.7 kg	35.3 kg
ENVIRONMENT			
Operating Temperature	0 to 40°C (without derating)		
Humidity	20-90% (non-condensing)		
Audible Noise ⁽²⁾	< 45 dBA		
Altitude	0-3000 m (derating 1%/100m from 1501-3000 m)		
Storage Temperature	-20 to 50°C		
CONFORMANCE			
Safety	CE, UKCA, TISI, RCM		
Sustainability	RoHS, REACH		

(1) 200 V: 150-234 Vac, 208 V: 156-243 Vac, 220 V: 162-268 Vac, 240 V: 177-290 Vac

All specifications are subject to change without prior notice.



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