



YOUR ULTIMATE POWER PROTECTION PARTNER



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MX/L 1kVA-10kVA

The MX/L UPS is an online double conversion UPS available from 1kVA to 10kVA with an output power factor 1. It is compatible with a wide range of battery autonomies enabling it to provide long backup times whenever necessary. The MX/L series is designed to provide continuous utility power protection for critical system installation. It has USB and RS-232 communication ports as standard, with a built-in intelligent slot for optional protocol converters (e.g. SNMP...). The MX/L Series is the best solution for different applications: data centers, servers and networking devices, control systems, video surveillance systems...

Description

- Extra Long Backup
- True Online Double Conversion Design
- Pure Sine Wave Output
- Fully Digitized Microprocessor Control
- DSP Technology
- Output Power Factor 1
- Active Input Power Factor Correction (PFC 0.99)
- 50/60 Hz Frequency Converter
- Wide Input Voltage Range
- Built in Automatic Bypass
- Generator Compatible
- N+X Parallel Redundancy Configuration ¹
- Emergency Power Off Function (EPO)
- Cold Start Function (DC Power On)
- Advanced Battery Management (ABM Technology)
- Automatic Diagnostics & Battery Check
- High Overload Capability and Enhanced Short Circuit Protection
- Eco Mode For Energy Saving
- Isolation Transformer ¹
- Programmable Power Management Outlets
- Multi-Function LCD Display
- Software Monitoring and Control
- Smart RS-232/USB Communication Port
- SNMP/AS-400 Communication Slots ¹

¹ Optional Features

Technical Specifications

Model	Model	MX/L 1k	MX/L 2k	MX/L 3k	MX/L 6k	MX/L 10k
	Rating	1000VA	2000VA	3000VA	6000VA	10000VA
	Output Power	1000W	2000W	3000W	6000W	10000W
Input	Voltage	220/230/240 VAC, 1 Ø 2 wires				
	Voltage Range	160-300 VAC at 100% load, 110-300 VAC at 50% load				
	Frequency	40 to 70 Hz				
	Power Factor	>99% at 100% load				
	Total Harmonic Distortion	≤3% at 100% load				
Output	Voltage (backup mode)	220/230/240 VAC +/-1%, 1 Ø 2 wires				
	Frequency (backup mode)	50/60 Hz +/-0.1 Hz				
	Waveform	Pure sine wave				
	Transfer Time (AC to Batt. Mode)	0 ms				
	Transfer Time (Inverter to Bypass)	<4 ms				
	Total Harmonic Distortion	≤2% (linear load), ≤4% (non linear load)		≤3% (linear load), ≤5% (non linear load)		
	Crest Factor	3:1				
Efficiency	AC Mode	95%			>95%	>96%
	Battery Mode	93%	94%		>94%	>95%
Protection	Overload (AC Mode)	110% for 10min, 130% for 1min, >130% for 3sec			110% for 10min, 130% for 1min, >130% for 1sec	
	Short Circuit	UPS output cuts off immediately using input fuse/circuit breaker protection				
System Display	LCD Indicators	UPS status, load level, battery level, input/output voltage, discharge time and fault indicators				
Battery	Battery Type	SLA, Nicad, Li-ion				
	Battery Number	3	6		20	
	Nominal DC Voltage	36 VDC	72 VDC		240 VDC	
	Typical Recharge Time	Depending on capacity of external batteries				
	Charging Current	1-2-4-6A (adjustable)			4A +/-10%	
	Charging Voltage	41 VDC +/-1%	82.1 VDC +/-1%		273 VDC +/-1%	
	Backup time	Longer backup time depending on extra battery pack				
Audible Alarm	Battery Mode	Sounding every 4 sec				
	Low Battery	Sounding every second				
	Overload	Sounding twice every second				
	Fault	Continuously sounding				
Communication	USB or RS-232	Interface with power management software				
	SNMP, AS-400 ¹	Power management from SNMP manager and web browser				
	Compatibility	Supports Windows family, Linux, Unix, and Mac				
Physical	Output Receptacles	4x Schuko/ Universal/IEC/ NEMA sockets or 3x India sockets	4x Schuko/ Universal sockets or 8x IEC/NEMA/ or 6x India sockets	4x Schuko/ Universal sockets or 6x IEC/NEMA India sockets	Terminal connection	
	Dimension WxDxH (mm)	145x397x220	190x421x318		250x592x576	
	Net Weight (kg)	5.8	12	13.8	25	27
Environment	Operating Temperature	0 to 40°C				
	Altitude	Maximum elevation at 1000m				
	Audible Noise	<50dB at 1m			<55dB at 1m	<58dB at 1m
	Operating Humidity	20 to 90% humidity (non-condensing)			0 to 95% humidity (non-condensing)	
Standards & Certifications	Performance	EN 50091-3/IEC 62040-3				
	Safety	UL 1778, CE, EN 50091-1, EN 69050 (RD), IEC 60950				
	EMC (EMS/EMI)	IEC 61000-4-2/-3/-4/-5/-6/-8/-11, IEC 61000-3-2/-3, FCC Part 15, CISPR 22, EN 50091-2/IEC 62040-2 Class A,EN 55022/B, FCC 47 Part 15 - Subpart B -				
	Design, production & services	ISO 9001				
	Environment	ISO 14001 certified company				
	Marking & Certifications	CE, TUV/GS, UL,cUL, c-Tick				

¹ Optional Features



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