



## YOUR ULTIMATE POWER PROTECTION PARTNER



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# MXRM 1kVA-10kVA

The MXRM UPS is an online double conversion UPS available from 1kVA to 10kVA with an output power factor 1. It is designed for use within rack-based enclosures. It provides continuous utility power protection for critical system installation. The MXRM series has USB and RS-232 communication ports as standard, with a built-in intelligent slot for optional protocol converters (e.g. SNMP...). The MXRM Series is the best solution for different applications: data centers, servers and networking workstations, control systems, video surveillance systems...

## Description

- ▣ Rack-Tower 2 in 1 Design
- ▣ 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 <sup>1</sup>
- ▣ 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 <sup>1</sup>
- ▣ Programmable Power Management Outlets
- ▣ Multi-Function LCD Display
- ▣ Software Monitoring and Control
- ▣ Smart RS-232/USB Communication Port
- ▣ SNMP/AS-400 Communication Slots <sup>1</sup>

<sup>1</sup> Optional Features

# Technical Specifications

Model	Model	MXRM 1k	MXRM 2k	MXRM 3k	MXRM 6k	MXRM 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	176-300 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)	
Efficiency	Crest Factor	3:1				
	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	12V 7Ah		12V 9Ah	12V 7Ah	12V 9Ah
	Battery Number	3	6		20	
	Nominal DC Voltage	36 VDC	72 VDC		240 VDC	
	Typical Recharge Time	4 hours to 90% capacity			6 hours to 90% capacity	
	Charging Current	1.5 A			2 A	
	Charging Voltage	41 VDC +/-1%	82.1 VDC +/-1%		273 VDC +/-1%	
Audible Alarm	Backup time	10~15 min depending on load				
	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 <sup>1</sup>	Power management from SNMP manager and web browser				
	Compatibility	Supports Windows family, Linux, Unix, and Mac				
Physical	Output Receptacles	2x Schuko/ Universal or 8x IEC/NEMA sockets		2x Schuko/ Universal or 8x IEC or 6x NEMA sockets	Terminal connection	
	<b>UPS:</b> Dimension WxDxH (mm)	438x410x88	438x630x88		438x580x133	438x668x133
	Net Weight (kg)	14.2	26.9	27.4	17	20
	<b>Battery Pack:</b> Dimension WxDxH (mm)				438x580x133	
	Net Weight (kg)				57	63
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 95% 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				

<sup>1</sup> Optional Features

# PCE<sup>®</sup>

P O W E R

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