



EX RM

1 - 10KVA

The EX RM UPS is a high-performance online double-conversion system, available from 1kVA to 10kVA, with an output power factor of 1 for maximum efficiency. Designed for rack-mounted environments, it delivers reliable and continuous power protection for critical installations.

It features USB and RS-232 communication ports, along with an intelligent expansion slot for optional protocol converters such as SNMP, enabling advanced monitoring and seamless integration.

Ideal for a wide range of applications, the EX RM Series supports data centers, servers, networking workstations, control systems, and video surveillance systems.

FEATURES

- Rack/Tower 2-in-1 design
- True online double-conversion with pure sine wave output
- DSP-controlled microprocessor technology
- Power factor 1 with PFC up to 0.99
- Wide input range with 50/60 Hz frequency converter
- Automatic bypass & generator compatibility
- N+X parallel redundancy
- EPO & cold start function
- Advanced battery management with diagnostics
- High overload & short-circuit protection
- Eco mode for energy saving
- LCD display with programmable outlets
- Smart RS-232 / USB Communication Ports
- SNMP / AS-400 Communication Slots (optional)

SPECIFICATIONS

Model	Model	EX RM 1K	EX RM 2K	EX RM 3K	EX RM 6K	EX RM 10K
Model	Rating	1000VA	2000VA	3000VA	6000VA	10000VA
	Output Power	1000W	2000W	3000W	6000W	10000W
Input	Voltage	208/220/230/240 VAC, 1Ø 2wires				
	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 Distorsion in Current THDi	< 3% at 100% load				
Output	Voltage (backup mode)	208/220/230/240 VAC +/-1%, 1Ø 2wires				
	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 Distorsion	≤2% (linear load), ≤4% (non linear load)		≤3%(linear load), ≤5%(non linear load)		
Efficiency	Crest Factor	3:1				
	AC Mode	95%		> 95%	> 96%	
Protection	Battery Mode	92%		93%	> 94%	> 95%
	Overload (AC Mode)	110% for 10min, 130% for 1min, > 130% for 3sec			110% for 10min, 130% for 1 min, > 130% for 10sec	
System Display	Short Circuit	UPS output cuts off immediately using input fuse/circuit breaker protection				
	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	16		
	Nominal DC Voltage	36 VDC	72 VDC	192 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%	82.1VDC +/-1%	273 VDC +/-1%		
	Backup time	10~15 min depending on load				
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 (Optional)	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/NEMA sockets	Terminal connection		
	Dimension Wx HxD (mm)	438x430x88	438x610x88	438x665x176		
	Net Weight (kg)	13.1	22.5	27.6	51	59
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			0 to 95% humidity	
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				