

NETPRO-RM Series

1 ~ 20 kVA Rack Mountable

Uninterruptible Power Supply

AUTO CONTROL
SYSTEMS



SERVER
ROOMS



DATA
CENTERS



MEDICAL
SYSTEMS



COMMUNICATION
SYSTEMS



RADIO & TV
STATIONS



TELECOM
SYSTEMS



INDUSTRIAL
APPLICATIONS

GENERAL FEATURES

- High frequency online double conversion technology
- High efficiency
- IGBT rectifier design
- Advanced microprocessor control with PWM technique
- Wide input voltage range (110-285VAC)
- Active Power Factor Correction (PFC) at input ($\geq 0,99$)
- Output power factor 0.8 (0.9 optional)
- Sensitive protection with EMI/RFI filters
- Self diagnostics feature at start
- Start from battery (Cold Start)
- Advanced battery management system (ABM)
- Standart static By-Pass
- Intelligent fan controlled cooling system
- Lightning and voltage spike protection
- Output short circuit, overload, output low voltage protection
- Low battery voltage, high output voltage, overheating protection
- Generator compatible operation
- Intelligent communication with PC via RS232 port (USB,SNMP Optional)

Uninterrupted Power Uninterrupted Service

OPTIONAL FEATURES

- Custom input & output options
- Remote control and monitoring via SNMP
- USB to PC connectivity
- Parallel / Redundant operation
- Long backup time

STANDARDS

- EN 62040-1 (Safety), EN 62040-2 (EMC)
- High voltage IEC 60664-1 and IEC 1000-4-5: Class 3
- EMI EN 55022: Class A
- ESD IEC 1000-4-2: Class 3
- EFT IEC 1000-4-4: Class 3
- RS IEC 1000-4-3: Class 3



True Online Double Conversion design based NETPRO-RM Series UPS provide sensitive protection for critical loads.

At most unfavorable mains conditions with wide input voltage range, with fast response to voltage surge and spikes, and with perfect output characteristics protection for your servers and workstations is provided.



TECHNICAL CHARACTERISTICS

Model	NETPRO-RM				
Nominal Power	1 kVA / 900W	2 KVA / 1.8kW	3 KVA / 2.7kW	6 KVA / 5,4kW	10 KVA / 9kW
INPUT					
Phase Count	1				
Nominal Voltage	220 VAC / 230 VAC / 240VAC				
Input Voltage Range	176 ~ 271 VAC (at %100 load) - 130 ~ 286 VAC (at %50 load)				
Nominal Frequency	50/60 Hz \pm %10				
Input Power Factor	<0.99				
Input Current Harmonics THDi	<%3				
OUTPUT					
Nominal Voltage	220 VAC / 230 VAC / 240 VAC \pm %1.5				
Nominal Frequency	50/60 Hz \pm 0,1 (on battery mode)				
Output Power Factor	0,9				
Crest Factor	3:1				
Output Waveform	True sinewave				
Output Voltage Harmonics THDv	< %2 (linear load) / < %4 (non-linear load)				
Overload Capacity	continuous for up to %110 load, 1 min at %110~150 load, 200 ms for load > %150				
STATIC BY-PASS					
Transfer Time	0 ms				
Overload Capacity	% 150				
Protection	Overload, Short circuit				
BATTERY					
Battery Voltage/ Quantity	24 VDC 2X12VDC	48 VDC 4X12VDC	72VDC 6X12VDC	192VDC 16X12VDC	192VDC 16X12VDC
Battery Charge Current	1 A (3 A Optional)			4 A (8 A Optional)	
Battery Type	Maintenance free dry batteries				
Backup Time	Varying, Optional				
GENERAL					
Technology	On-Line double conversion				
Control	Microprocessor controlled, high frequency PWM				
Efficiency	> %88				
Paralell Operation	Optional				
Redundant Operation	Optional				
Protection	Output short circuit Overload Low output voltage Low battery voltage High output voltage Overheating				
COMMUNICATION					
Display	LCD Panel and LED indicators				
Warnings / Events	AC Abnormal, Low battery, Overload, Error / Fault				
Advanced Communications	RS232, SNMP and USB (Optional)				
ENVIRONMENT					
Operating / Storage Temperature	0 °C ~ 40 °C / -15 °C ~ +55 °C				
Relative Humidity	%0 ~ %95 (Non-condensing)				
Altitude	\leq 1500 m				
Acoustic Noise	< 50 db (from 1 m distance)		< 55 db (from 1 m distance)		
Protection Class	IP20				
PHYSICAL PARAMETERS					
Weight	15 kg.	28,5 kg.	33,5 kg.	19 kg.	
Dimensions (WxDxH) mm	440 x 468 x 88	440 x 690 x 88		483 x 565 x 132	

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