

RM Series 20-400 kVA

Modular UPS



HIGH EFFICIENCY



CLEAN ENERGY



ECO-FRIENDLY TECHNOLOGY



IP23



Necron has introduced its new modular ups series in 2010 and since then RM series presence in global markets has made itself an indispensable power quality device among its rivals. Today, RM series has been operating lots of countries in the world and become a stable product mostly in Datacenter environments and in service for different application fields, different continents and offering the unbeatable power protection technology worldwide . It has been designed with 3 Phase Input, 3 Phase Output and IGBT Rectifier which allows gaining highest input power factor and lowest THDi values. Hot-swappable feature allows changing or removing modules without interrupting supply. Also offers increasing or decreasing power with 20kVA modules, up to 400kVA. If the application is mission critical, RM series is the best choice with is best in class total cost of ownership and advanced high level technologies/features that it offers.

Necron, 2010 yılında yeni modüler UPS serisini tanıttı ve bu tarihten sonra RM serisi global marketlerde rakiplerine karşı güç koruma kalitesinde lider olarak kendini kanıtladı. Bugün RM serisi birçok ülkede varlığını sürdürüyor ve çalışmaya devam ederek özellikle Bilgi merkezleri ve çeşitli uygulama alanlarında sunduğu dünya çapında alt edilemez güç koruması ile devamlı bir ürün haline gelmiştir. 3 faz giriş 3 faz çıkış, IGBT doğrultucu ve invertör ile tasarlanan yapısı sayesinde en yüksek giriş güç faktörünün ve en düşük giriş harmonik bozunum değerlerinin elde edilmesine olanak tanır. Tak çıkar özelliği, gücünüzün korunmasına ara verilmeden cihaz modüllerinin değiştirilmesine olanak sağlar. 20 kVA'lık modülleri ile istediğiniz güce ulaşmanızı sağlar. Eğer uygulama kritik ise, RM serisi sahip olma maliyetleri ve sunduğu gelişmiş yüksek seviye teknolojisi ve özellikleriyle en iyi seçenektir.

RM Series

Technical Specifications	RM20 Series		
Rated Power / Max. Output Power	60 kVA / 54 kW	120 kVA / 108 kW	200 kVA / 180 kW
Power of Each Module	20 kVA	20 kVA	20 kVA
Max. Number of UPS Modules	3	6	10
GENERAL			
UPS Type / Technology	Modular Design (Centralized Parallel Architecture) / 3-Level Technology		
MTBF / MTTR	> 200,000 hrs / < 10 mins.		
Output Power Factor	0.9		
Display Parameters via LCD	Mimic Diagram for Complete System; Indicators for Battery, Rectifier, Inverter, Bypass, Load Status; System Information, Data and Instruction, Current Record Window; Monitoring Main Input, Bypass Input, AC Output Characters, Load Data, Battery Data (Temp, Remaining Time, Capacity, Etc.)		
Smart Features / Smart Eco Mode	Cold Start; AC Restart; Auto Restart / Standard; User Selectable		
True Redundancy / [N+1]	N+1&N+X Paralleling Options / Up To 2 Units		
Protections	Over Temperature, Overload, Output Short Circuit, Battery EOD (Deep Charge), AC Line & Neutral Reverse Connection Protection; Fan Testing, Self Testing		
Troubleshooting	EPO; Battery Charging & Discharging, Maintenance Circuit Breaker, Generator Status; Bypass Phase Fault, Fan Fault, Voltage Abnormal Alarms; Manual UPS Shutdown, ETC.		
EFFICIENCY			
Overall Efficiency	≤95% @ 100% Rated Load		
Smart Eco Mode Efficiency	≥98% @ 100% Rated Load		
INPUT			
Rated Voltage	380 / 400 / 415 VAC 3P+N+GND		
Voltage Range	-40% ~ +25%		
Rated Frequency	50 or 60 Hz		
Frequency Range	40 ~ 70 Hz		
Power Factor	0.99		
THDi	< 3%		
OUTPUT			
Rated Voltage / Voltage Accuracy	380 / 400 / 415 VAC 3P + N + GND / 1% (Balanced Load), 1.5% (Unbalanced Load)		
Rated Frequency / Freq. Accuracy	50Hz or 60Hz / ± 0.02%		
THDv	< 1% (Linear Load), < 3% (Non-Linear Load)		
Crest Factor	3:1		
Overload Capability	60 mins @ 100% ~ 110% Rated Load; 10 mins @ 110% ~ 125%; 1 mins @ 150% Rated Load; 200 ms @ >150% Rated Load;		
BATTERY			
Rated Voltage / Quantity	± 240VDC / 40 ± 4 pcs 12VDC VRLA AGM (Selectable)		
COMMUNICATION			
Advanced Communication	RS232, RS485, Dry Contacts, SNMP card (Optional), EPO, Generator Interface, LBS (Load Bus Synchronizer)		
Remote ON/OFF	Remote EPO or SNMP over LAN		
ENVIRONMENT			
Operating Temperature	0°C to 40°C		
Recommended Operating Temperature	15°C to 25°C		
Storage Temperature	-25°C to 70°C		
Altitude / Relative Humidity	< 1000m above sea level; derating power by 1% per 100m between 1000m and 2000m / 0 to 95%, non-condensing		
Audible Noise	< 56dBA (1m)		
STANDARDS			
Safety / EMC / LVD / Performance	CE / TSE / EN50091-1-1; IEC62040-1-1; AS 62040-1-1 / EN50091-2; IEC62040-2; AS 62040-2(C3) / EN50091-3; IEC62040-3; AS 62040-3		
DIMENSIONS & WEIGHT			
Dimensions (WxDxH) [mm]	600x900x1100	600x900x1600	600x900x2000
Weight [kg]	120	151	182