

# RM Series 10-180 kVA

Modular UPS



HIGH EFFICIENCY



CLEAN ENERGY



ECO-FRIENDLY TECHNOLOGY



ALL DEVICES COMPATIBLE



DOKUNMATİK PANEL



TOUCH PANEL



ON-LINE VERİM

%96

ON-LINE EFFICIENCY



ÇALIŞMA

1/1 1/3  
3/1 3/3

WORKING



ÇIKIŞ GÜÇ FAKTÖRÜ

1

OUTPUT POWER FACTOR



ÇALIŞIRKEN DEĞİŞTİRİLEBİLİR



HOT-SWAPPABLE



The RM 10-180 UPS, the new member of RM Series Three Level Three Phase Modular UPS family, is a scalable platform to meet increasing power requirements for classic rack/ server cabinets in your IT infrastructure.

It can be simply added to your system by placing it in your existing rack cabinet without any extra wiring or changes in your system. Its 10 kVA/ 10 kW power modules are capable of operating as 1/1, 3/1, 3/3 and 1/3 for extended versatility and adaptability for small/mid range applications.

The RM10-120 offers unity power factor at output ( $kW=kVA$ ) which places itself at a unique position among its competitors globally. The RM10-180 offers maximum monitorability & manageability via biggest in class LCD screen with more comprehensive system view of your UPS. Beside all of these extended features, The RM10-180 is designed without sacrificing distinguishing features of RM Series. Its superior hot-swappable power module technology, high performance best in class high efficient character are protected as RM Series.

RM serisinin Klasik Rack kabinet ve düşük güçlü modüler uygulamaları için yeniden yorumlanmış hali. Sisteminizde herhangi bir değişiklik yapmadan mevcut kabininizin içine kolayca yerleştirebileceğiniz bir şekilde tasarlandı. Küçük uygulamalardaki çok yönlülük düşünülerek 10kW modüller 1/1, 1/3, 3/1 ve 3/3 çalışabilecek şekilde, üstelik çıkış güç faktörü 1 olacak şekilde tasarlandı.

Üstelik çıkış güç faktörü 1 olarak tasarlandı ve VA/W farkı ortadan kaldırıldı. Maksimum erişebilirlik ve gözlem için sınıfındaki hiçbir üründe bulunmayan boyutta bir dokunmatik ekran ile donatıldı. Tüm bu ilave özelliklerine rağmen, bulunduğu modüler ailesinin ayırt edici tüm özelliklerinden taviz verilmedi. Enerji altında değiştirilebilen modülleri, yüksek verimi ve üstün performansı aynen korundu.

Power Electronics & Data Center Infrastructure Solutions

Güç Elektroniği & Data Center Altyapı Çözümleri

**NECRON**  
energy

Technical Specifications		RM10 Series		
Rated Power / Max. Output Power		30 kVA / 30 kW	40 kVA / 40 kW	60 kVA / 60 kW
Power of Each Module		10 kVA	10 kVA	10 kVA
Max. Number of UPS Modules		3	4	6
<b>GENERAL</b>				
UPS Type / Technology	Modular Design (Centralized Parallel Architecture) / 3-Level Technology			
MTBF / MTTR	> 200,000 hrs / < 10 mins.			
Output Power Factor	1			
Display Parameters via LCD	7" Touched Colorful LCD+LED, 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 3 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.			
<b>EFFICIENCY</b>				
Overall Efficiency	>96% @ 100% Rated Load			
Smart Eco Mode Efficiency	≥98% @ 100% Rated Load			
<b>INPUT</b>				
Rated Voltage	380 / 400 / 415 VAC (Line to Line); 220 / 230 / 240 VAC (Line to Neutral)			
Voltage Range	Up 276 VAC; Down -40% (-20%, -30%, -40% Selectable) -20% ~ -40% Rated Power Derating From 100% ~ 80%			
Rated Frequency	50 or 60 Hz			
Frequency Range	40 ~ 70 Hz			
Power Factor	0.99			
THDi	< 3%			
<b>OUTPUT</b>				
Rated Voltage / Voltage Accuracy	380 / 400 / 415 VAC (Line to Line) / <1%; 220 / 230 / 240 VAC (Line to Neutral) / <1%;			
Rated Frequency / Freq. Accuracy	50Hz or 60Hz / ± 0.02%			
THDv	< 1% (Linear Load), < 4% (Non-Linear Load)			
Crest Factor	3:1			
Overload Capability	110%, Transfer to Bypass After 60 minutes; 125%, Transfer to Bypass After 10 minutes; 150%, Transfer to Bypass After 1 minute; >150%, Transfer to Bypass After 200 ms			
<b>BATTERY</b>				
Rated Voltage / Quantity	± 240VDC / 40 ± 4 pcs 12VDC VRLA AGM (Selectable)			
<b>COMMUNICATION</b>				
Advanced Communication	RS232, RS485, Dry Contacts, SNMP card (Optional), EPO			
Remote ON/OFF	Remote EPO or SNMP over LAN			
<b>ENVIRONMENT</b>				
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	< 50dBA (One Module)			
<b>STANDARDS</b>				
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			
<b>DIMENSIONS &amp; WEIGHT</b>				
Dimensions (WxDxH) [mm]	Cabinet	485x751x555		485x751x1033
	Power Module	436x590x85 (2U)		
Weight [kg]	Cabinet	51		70
	Power Module	15.3		