

# RM Series 30-900 kVA

Modular UPS



HIGH EFFICIENCY



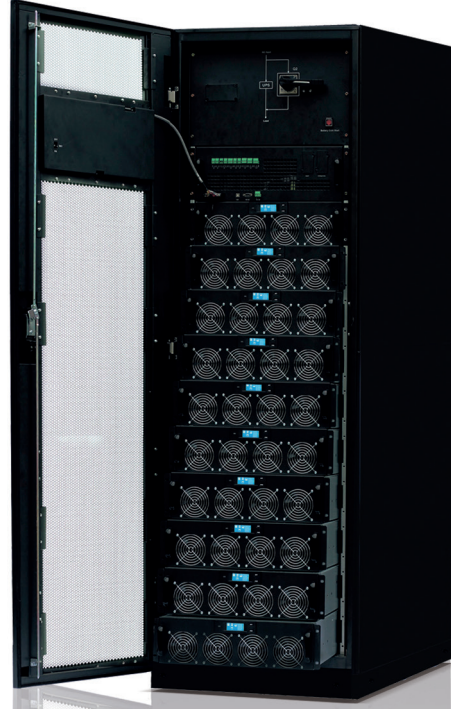
CLEAN ENERGY



ECO-FRIENDLY TECHNOLOGY



ALL DEVICES COMPATIBLE



The NECRON RM series is one the best performing and most reliable three phase hot-swappable modular UPS system for a wide range of applications such as Security systems, Financial services, Server/Data centers, Industrial environments, etc.. The capacity is easily augmentable for

Modular technology so RM series is able to grow according to necessity of the system. It has unique isolated air flow structure for hot-swappable power modules (being formed of IGBT modules) to get higher performance and reliability of critical situations.

It is scalable from 30kVA to 900kVA with N+X modular architecture/parallel topology. RM series saves your energy thanks to self-aging function without connecting real loads during test procedure.

Monitoring and managing RM series with the largest size of colorful touch screen that provides graphical and text based information for safer operation.

All UPS system are fully supported by NECRON service team that assures reliable, preventive and corrective mission...

NECRON RM serisi en iyi performansı gösteren, en güvenilir, geniş çapta kullanım alanı olan 3-fazlı hot-swappable modüler yapıdaki bir UPS sistemidir. Server/Veri merkezleri, Finansal hizmetler, Güvenlik sistemleri, birçok Endüstriyel alanlarda kullanılmaktadır...

Modüler teknolojiye kapasite kolay şekilde artırılabilir böylece RM serisi sistem gereksinimine göre büyütülebilmektedir. Kritik uygulamalarda yüksek performans ve güvenilirlik elde etmek için, eşsiz izole edilmiş hava akışlı hot-swap modüllere (IGBT modüllerden oluşmakta) sahiptir.

30kVA dan 900kVA kadar artırılabilen N+X modüler mimariye sahiptir. Self-aging fonksiyonu sayesinde, test aşamalarında enerji harcanmasını engeller. En geniş renkli dokunmatik ekrana sahip olan RM serisi ile tüm bilgileri grafiksel ve metin halinde görüntülemenize ve böylece daha güvenli operasyon için idare etmenize imkan sağlar.

Bütün UPS sistemlerinde olduğu gibi, RM serisine de NECRON servisleri doğru ve hızlı olarak tam destek vermeyi garantiler.

Technical Specifications	RM30 Series	
Rated Power / Max. Output Power	180 kVA / 180 kW	300 kVA / 300 kW
Power of Each Module	30 kVA	30 kVA
Max. Number of UPS Modules	6	10
<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	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	≤95% @ 100% Rated Load	
Smart Eco Mode Efficiency	≥98% @ 100% Rated Load	
<b>INPUT</b>		
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%	
<b>OUTPUT</b>		
Rated Voltage / Voltage Stability	380 / 400 / 415 VAC 3P + N + GND / 1.5% (Balanced Load), 1.5% (Unbalanced Load)	
Rated Frequency / Freq. Accuracy	50 or 60Hz / ± 0.1%	
THDv	< 1% (Linear Load), < 5.5% (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;	
<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, Generator Interface, LBS (Load Bus Synchronizer)	
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	< 65dBA (1m)	
<b>STANDARDS</b>		
Safety / EMC / LVD / Performance	CE / TSE / EN50091-1-1; IEC62040-1-1; TSE 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]	600x1100x1600	600x1100x2000
Weight [kg]	165	220