

# RM Serisi 50 kVA - 1.5 MVA

Modular UPS



HIGH EFFICIENCY



CLEAN ENERGY



ECO-FRIENDLY TECHNOLOGY



ALL DEVICES COMPATIBLE



RM Series

*RM series has 50 kW power modules and is able to be increased to 600 kW in standard.*

RM serisi 50 kW modüllerden oluşan ve standartta 600 kW ya kadar güç sağlayabilen ürünlerdir.

*RM series provides uninterruptible power and continuous working with double conversion, flexible battery configuration, functional using, and properties of changing modules under load.*

RM serisi çift çevrim özelliği, esnek akü konfigürasyonu, fonksiyonel kullanımı ve yük altında modül değiştirebilme özelliği ile sürekli çalışabilme ve kesintisiz güç imkanı sağlar.

Technical Specifications		RM50 Series						
Rated Power / Max. Output Power	100 kVA/kW	150 kVA/kW	200 kVA/kW	250 kVA/kW	300 kVA/kW	400 kVA/kW	500 kVA/kW	600 kVA/kW
Power of Each Module	50 kVA/kW	50 kVA/kW	50 kVA/kW	50 kVA/kW	50 kVA/kW	50 kVA/kW	50 kVA/kW	50 kVA/kW
Max. Number of UPS Modules	2	3	4	5	6	8	10	12
<b>GENERAL</b>								
UPS Type / Technology	Modular Design (Centralized Parallel Architecture) / 3-Level Technology (IGBT)							
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 / 4 Cabins							
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, ≥95% @ 50% Rated Load							
Smart Eco Mode Efficiency	≥98,5% @ 100% Rated Load							
<b>INPUT</b>								
Rated Voltage	380 / 400 / 415 VAC 3P + N + GND / ±1%							
Voltage Range	304 ~ 478 VAC (line-line); 100% Load; 304 ~ 228 VAC, Load Derated Linearly							
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 / Balanced Load ±1%, Balanced Load ±1.5%							
Rated Frequency / Freq. Accuracy	50 or 60Hz / ± 0.1%							
THDv	< 1,5% (Linear Load), < 5% (Non-Linear Load)							
Crest Factor	3:1							
Overload Capability	110% for 1 hour; 125% for 10 minutes; 150% for 1 minute; >150% for 200ms							
<b>BATTERY</b>								
Rated Voltage / Quantity	± 240VDC / 36-44 pcs 12VDC (Adjustable)							
Charger Current	%20 for System Power							
<b>COMMUNICATION</b>								
Advanced Communication	Standart: RS232, RS485, USB, Dry Contacts (Programmable); Optional: SNMP, AS400, Paralel Kit, Battery Cold Start (Standard for 250 kVA and above) Lightning Protection Components, Dust Filter, LBS							
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	≤ 1500m above sea level; derating power by 1% per 100m between 1500m and 2000m / 0 to 95%, Non-Condensing							
Audible Noise	68dB @ 100% Load; (1 Meter Away)							
<b>STANDARDS</b>								
Safety / EMC / LVD / Performance	CE/TSE/IEC61000-4-2(ESD);IEC61000-3(RS);IEC61000-4-4(EFT);IEC61000-4-5(Surge);EN62040-1;EN62040-2;EN62040-3							
<b>DIMENSIONS &amp; WEIGHT</b>								
Module Dimensions (WxDxH) [mm]	510x700x178	510x700x178	510x700x178	510x700x178	510x700x178	510x700x178	510x700x178	
Module / UPS Net Weight [kg]	45 / 210	45 / 305	45 / 350	45 / 445	45 / 490	45 / 700	45 / 900	45 / 1040
UPS Dimensions (WxDxH) [mm]	600x980x1150	650x960x1600		650x1095x2000		1050x100x2000	1300x1100x2000	
Protection Class	IP20							