

RM Series 50 kVA - 1.5 MVA

Modular UPS



HIGH
EFFICIENCY



CLEAN
ENERGY



ECO-FRIENDLY
TECHNOLOGY



ALL DEVICES
COMPATIBLE



RM series has 50 kW power modules and is able to be increased to 600 kW in standard. Furthermore, this UPS can be enhanced to 1,5 MVA with optional N+X parallel configuration.

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 50 kW modüllerden oluşan ve standartta 600 kW ya kadar güç sağlayabilen ürünlerdir. Ayrıca N+X paralelleme konfigürasyonu ile UPS gücü 1,5 MVA ya kadar çıkarılabilir.

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
GENERAL								
UPS Type / Technology	Modular Design (Centralized Parallel Architecture) / 3-Level Technology (IGBT)							
MTBF / MTTR	> 200,000 hrs / < 10 mins.							
Output Power Factor	1							
Display Parameteres 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 Statur; Bypass Phase Fault, Fan Fault, Voltage Abnormal Alarms; Manual UPS Shutdown, ETC.							
EFFICIENCY								
Overall Efficiency	≥96% @ 100% Rated Load, ≥95% @ 50% Rated Load							
Smart Eco Mode Efficiency	≥98,5% @ 100% Rated Load							
INPUT								
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%							
OUTPUT								
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							
BATTERY								
Rated Voltage / Quantity	± 240VDC / 36-44 pcs 12VDC (Adjustable)							
Charger Current	%20 for System Power							
COMMUNICATION								
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							
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	≤ 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)							
STANDARDS								
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							
DIMENSIONS & WEIGHT								
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		1050x1100x2000	1300x1100x2000	
Protection Class	IP20							