

RM Series 40 kVA - 1.2 MVA

Modular UPS

تسلا

یو پی اس، باتری یو پی اس و استابلایزر



ورودسری RM دارای ماژول های قابلیت افزایش تا ۴۰۰ کیلو ولت آمپر را دارد. علاوه بر این، این UPS را می توان با تنظیمات موازی اختیاری N+X به ۱.۲ MVA ارتقا داد. سری RM برق بی وقفه و کار مداوم را با تبدیل مضاعف، پیکربندی باتری انعطاف پذیر، استفاده کاربردی و ویژگی های تغییر ماژول ها تحت بار ارائه می دهد.

Technical Specifications

RM40 Series

| | |
|-----------------------------------|---|
| Rated Power / Max. Output Power | 40-400 kVA / 40-400 kW |
| Power of Each Module | 40 kVA |
| Max. Number of UPS Modules | 10 |
| 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 / System Capacity up to 1,2 MVA / 1,2 MW |
| 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 / ±1,5% |
| Rated Frequency / Freq. Accuracy | 50 or 60Hz / ± 0.1% |
| THDv | < 1,5% (Linear Load), < 5,5% (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 | 72dB @ 100% Load; 69dB @ 45% 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 |
| Module / UPS Net Weight [kg] | 44 / 900 |
| UPS Dimensions (WxDxH) [mm] | 1300x1100x2000 |
| Protection Class | IP20 |

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