

## RM Series Rack-Mounted Modular Online UPS

### 10-90kVA (380V/400V/415V)

The rack modular, scalable, hot-swappable, online double conversion UPS ranging is from 10 to 90kVA, with its flexible configuration of 3/3, 3/1 and 1/1, compact structure, is the ideal choice for small and medium data center.



### Features

- Rack modular design**  
Modular design, compatible with 19" standard rack cabinet, convenient to be integrated with servers
- High power density**  
10/15kVA power module in 2U height, saving great amount of space, easy for capacity expansion
- Integrated solution for data center**  
UPS can be integrated with battery cabinet, PDU and external maintenance bypass, offering excellent choice for data center
- Intelligent charging management**  
The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery
- Flexible configuration**  
The system based on 10kVA power module can be configured to 3/3, 3/1 and 1/1 without derating
- Friendly interface**  
7" touch color LCD with graphic display, more information displayed and easier for customer to operate
- Smart sleep function**  
System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency
- Self-aging mode**  
Energy internal circle technology, system can run with full load ,saving more than 90% energy

### Specification

MODEL	RM060/10X	RM040/10X	RM030/10X	RM020/10X	RM090/15X	RM045/15X	RM030/15X	
System Capacity	60kVA	40kVA	30kVA	20kVA	90kVA	45kVA	30kVA	
Power Module Capacity	10kVA/10kW	Standard						
Dual Input Phase	3 Phase+Neutral+Ground, 380V/400V/415V(line-line)							
Input Voltage Range	228V~304Vac (line-line),load decreases linearly according to the min phase voltage							
Rate Frequency	50/60Hz							
Input Frequency Range	40Hz ~ 70Hz							
Input PF	>0.99							
Input THDI	<4% ( 100% Linear load)							
Rate Voltage	380/400/415Vac (line-line)							
Rate Frequency	50/60Hz							
Input Voltage Range	Settable, -40% ~ +25%							
Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz							
Bypass Overload	125% long term operation; 130% for 10mins ; 150% for 1 min; >150% for 300ms ; 110% long term operation; 130% for 5mins ; 150% for 1 min; >150% for 300ms							
Rate Voltage	380/400/415Vac (line-line)							
Voltage Regulation	1% for balance load; 1.5% for unbalance load							
Rate Frequency	50/60Hz							
Frequency Precision	0.1%							
Output PF	1							
Output THDu	<1% , Linear load; <5.5%, Non-linear load							
Crest Factor	3:1							
Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms							
Voltage	±240Vdc							
Battery Number	40pcs (Settable: even number from 32 to 44)							
Voltage Precision	±1%							
Charge Power	up to 20% * Output active power							
Battery Cold Start	Optional							
Efficiency	AC Mode 95.0% ECO Mode 98.0%							
Display	7,0" color touch screen LCD + LED + keyboard							
IP Class	IP 20							
Interface	RS232,RS485, Programmable Dry Contact							
Option	SNMP Card, Parallel kit, SPD, Power module with battery cold start function							
Temperature	Operation: 0 ~ 40 °C Storage: -40 ~ 70 °C							
Relative Humidity	0 ~ 95% Non-condensing							
Altitude	<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise							
Noise (1 meter)	56dB @ 50% load							
Applicable Standards	Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3							
Physical	Weight (kg)	70	51	55	42	70	55	42
	Power module	15.3						15.5
	Dimension W*D*H(mm)	485*751*1033 485*697*575 485*751*575 485*751*1033 485*751*575 485*697*398						436*590*85