

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			15kVA/15kW					
Input	Dual Input	Standard							
	Phase	3 Phase+Neutral+Ground, 380V/400V/415V(line-line)							
	Input Voltage Range	304~478Vac (line-line),full load; 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							
Bypass	Input THDi	<4% (100% Linear load)							
	Rate Voltage	380/400/415Vac (line-line)							
	Rate Frequency	50/60Hz							
	Input Voltage Range	Settable, -40% ~ +25%							
Bypass Overload	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)						
Output	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							
	Battery	Voltage	±240Vdc						
Battery Number		40pcs (Settable: even number from 32 to 44)							
Voltage Precision		±1%							
Charge Power		up to 20% * Output active power							
System	Battery Cold Start	Optional							
	Efficiency	AC Mode	95.0%						
		ECO Mode	98.0%						
		Battery Mode	94.5%						
	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 Storge: -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)	Cabinet	70	51	55	42	70	55	42
		Power module	15.3				15.5		
	Dimension W*D*H(mm)	Cabinet	485*751*1033	485*697*575	485*751*575	485*697*398	485*751*1033	485*751*575	485*697*398
	Power module	436*590*85							