

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	RM020/10X	RM090/15X	RM045/15X	RM030/15X		
System Capacity	60kVA	40kVA	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						
	Input THDi	<4% (100% Linear load)						
Bypass	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					
Output	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						
Battery	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						
System	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, power derate 1% 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	42	70	55
Power module			15.3			15.5		
Dimension W*D*H(mm)		Cabinet	485*751*1033	485*697*575	485*697*398	485*751*1033	485*751*575	485*697*398
	Power module	436*590*85						