

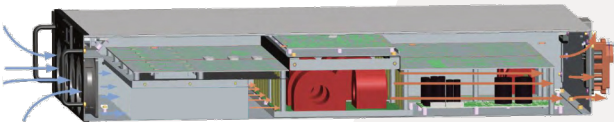
Reliable Critical Power

RM33 series High Density Rackmount UPS



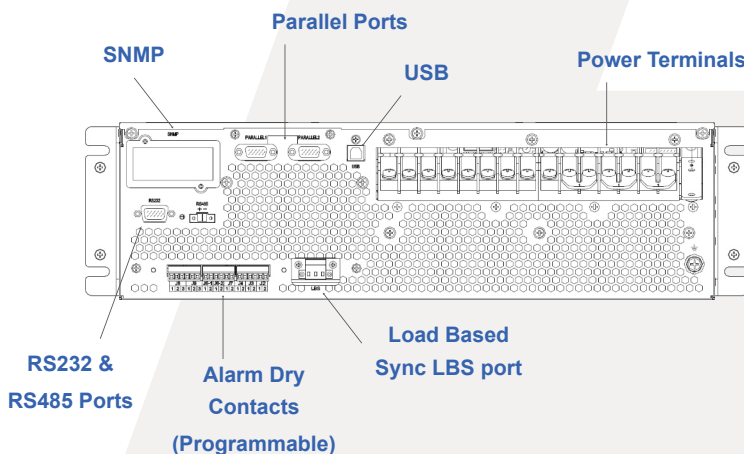
Rackmount/ Tower Convertible

Isolated Airflow Design



The dedicated and redundant hot-swappable power modules take the most unique structure design. The PCB boards and heat sinks are in two completely different layers, which allows the UPS to run in dusty environments, significantly improving its stability and environmental adaptability.

Multiple Connection Ports



Design Literature

The RM33 Series Rack is double conversion online UPS with fully DSP controlled technology. With its flexible configuration of 3/3 and 3/1, compact design, it's the ideal choice for modern data center.

With just 3U in height, the RM33 UPS is a full function, complete features 3phase in/ 3phase out UPS. Such ultra high density of power allows it fitting in all kinds of places and applications

Applications includes: IDC (Internet Data Center), network servers and workstation, control system, communication system, office, PC etc

Features and Benefits

- Rack Design

3U Rack design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

- Friendly Interface

5.5" touch color LCD Graphical User Interface (GUI), more information is displayed and easier for customer to operate

- Flexible configuration

The system can be configured to 3/3 and 3/1, allowing maximum flexibility

- Intelligent charging management

The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery

- Unity Output Power Factor

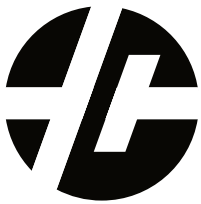
The 10-25kVA models can output 100% kW power, while configuratble to 30kVA with output p.f. = 0.8

- Protection ratings

Upgrade options to IP rating up to IP42, other request upon special order

Technical Specifications

MODEL		RM33010CL	RM33015CL	RM33020CL	RM33025CL
System Capacity		10kVA	15kVA	20kVA	25kVA
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)		<3% (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 10 mins; 150% for 1 min, 400% for 1s			
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; <4.5%, Non-linear load		<1.5% , Linear load; <4%, Non-linear load	
	Crest Factor	3:1			
Battery	Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms			
	Voltage	±240VDC (adjustable)			
	Battery Number	40pcs (12V blocks, adjustable)			
	Voltage Precision	±1%			
	Charge Power	up to 20% * Output active power			
System	Battery Cold Start	Standard			
	Efficiency	AC Mode	95%		95.5%
		ECO Mode	98%		
		Battery Mode	94.5%		95%
	Display	LCD + LED + keyboard			
	IP Class	IP 20			
	Interface	RS232, RS485, Programmable Dry Contact			
	Option	LBS for HR33020CL and HR33025CL, SNMP Card, Parallel kit, USB			
	Temperature	Operation: 0 ~ 40°C Storage: -40 ~ 70°C			
	Relative Humidity	0 ~ 95% Non-condensing			
	Altitude	<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise			
Physical	Noise (1 meter)	65dB @ 100% load, 62dB @ 45% load			
	Applicable Standards	Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3			
	Weight (kg)	25		30	
Physical	Dimension WxDxH (mm)	485x790x130			



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