

10-90kVA (380V/400V/415V) WTHD RM Series Rack-Mounted Modular Online UPS

Product description:

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



Product characteristics:



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

Product Specifications

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	Phase		3 Phase+Neutral+Ground, 380V/400V/415V(line-line)						
	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 (Frequency Range : 40Hz ~ 70Hz)						
	Input PF		>0.99						
	Input THDi		<4% (100% Linear load)						
Bypass	Voltage Range		380/400/415Vac (line-line) (Settable , -40% ~ +25%)						
	Rate Frequency		50/60Hz (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±0.1%						
	Output PF		1.0						
	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)						
	Charge Power		up to 20% * Output active power						
System	Efficiency	AC Mode	95%						
		ECO Mode	98%						
		Battery Mode	94.5%						
	Display		7.0" color touch screen LCD + LED + keyboard						
	IP Class		IP20						
	Interface		RS232, RS485, Programmable Dry Contact						
	Option		SNMP Card, Parallel kit , SPD, Power module with battery cold start function						
	Temperature		Operation : 0 ~ 40 ℃, Storage : -40 ~ 70 ℃						
	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
Power module			15.3				15.5		
Dimension		Cabinet	485*751*1033	485*697*575	485*751*575	485*697*398	485*751*1033	485*751*575	485*697*398
W*D*H(mm)		Power module	436*590*85						