

25-600kVA (380V/400V/415V) WTHD RM Series Modular Online UPS

Application:

The RM series modular UPS provides the most compact footprint of less than 2㎡ with maximum capacity of 900kVA. With best reliability and high performance, it has been leading the domestic market for years.

Product description:

RM series is considered to be the best power protection solution for large data centers, as well as for sensitive electronics



Product characteristics:

⚡ Independent LCD for Each Power Module

Each power module has an independent LCD, gives users' direct overview of status data and alarms in real time.

⚡ Friendly Interface

Provide graphical and text based information of alarms, status data, instructions that users can have more friendly and safer operation.

⚡ Unique Design for High Reliability

Instead of discrete IGBT and SCR components, RM series UPS uses modular IGBT and SCR in Rectifier and Inverter, bringing in extremely high reliability.

⚡ High Density ,Modular, Scalable

High power density, footprint for 300kVA is 0.66㎡, power density 409kW/㎡, saving valuable data center space.

⚡ Programmable Dry Contacts

Programmable dry contacts are available in all RM and HT33 series UPS. Customers can easily expand or modify the definition of each port.

⚡ Critical Waveform Recording

UPS can record and save the data of the main parameters automatically when faults happen for further analysis.

⚡ Isolated Air Flow

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

⚡ Smart Sleep

Smart Sleep function can intelligently make some power modules go to sleep when load is relatively low, improving the efficiency of the remaining power modules and saving customers on power and cooling costs.

⚡ Self-aging

Self-aging is an advanced function applied in all three phase UPS, Self-aging function can test UPS under different load situation without real load, saving more than 90% of energy.

⚡ Comprehensive Monitoring Management

In each power module, information of critical components is monitored and displayed in real time, giving customers a view of inner status of the system and providing reminder information for maintenance.

Product Specifications

MODEL			RM600/30X	RM300/30X	RM180/30X	RM500/25X	RM250/25X	RM150/25X
System Capacity			600kVA	300kVA	180kVA	500kVA	250kVA	150kVA
Power Module Capacity			30kVA/30kW			25kVA/25kW		
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		<3% (100% Linear load)					
Bypass	Voltage Range		380/400/415Vac (line-line) (Settable, -40% ~ +25%)					
	Rate Frequency		50/60Hz (Settable, ±1Hz, ±3Hz, ±5Hz)					
	Bypass Overload		110% long term operation; 125% for 5 mins ;150% for 1 min					
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	99%					
		Battery Mode	95%					
	Display		10.4" color touch screen LCD + LED + keyboard					
	IP Class		IP20					
	Interface		RS232,RS485, Programmable Dry Contact , USB					
	Option		SNMP Card, Parallel kit, SPD, LBS,Dust filter, Expansion dry contact card					
	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)		72dB@100% load 65dB@45% load	65dB@100% load 62dB@45% load		72dB@100% load 65dB@45% load	65dB@100% load 62dB@45% load	
	Applicable Standards		Safety: IEC/EN 62040-1, EMC: IEC/EN 62040-2 , Performance : IEC/EN 62040-3					
	Physical	Weight (kg)	Cabinet	660	242	178	660	242
Power module			32.3			32.3		
Dimension		Cabinet	2000*1050*2000	600*1100* 2000	600*1100*1600	2000*1050*2000	600*1100*2000	600*1100*1600
W*D*H(mm)		Power module	460*790*134					