

50-500kVA (380V/400V/415V) WTHD RM Series Modular Online UPS

Product description:

The RM series modular, online UPS ranging from 40kVA to 500kVA is designed to protect any critical load for medium and large data center achieving maximum availability. The RM series feature the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 96% and ultra reliability.Its compact design ensures power density of 500kVA in one cabinet, 3 units can be paralleled for capacity or redundancy up to 1500kVA, making it an excellent choice for medium and large facilities



Product characteristics:

⚡ Compact design

500kVA in one cabinet, footprint less than 1.45m², saving valuable room space

⚡ High power density

50kVA power module in 4 U height, easy for capacity expansion

⚡ High efficiency

Advanced 3-level technology guarantees high efficiency operating in double conversion mode up to 96%

⚡ Intelligent charging management

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

⚡ High scalability

The system can be configured from 40kVA to 500kVA in one single cabinet,3 units in parallel for a capacity up to 1500kVA

⚡ HMI Friendly HMI

10.4" touch color LCD with graphic display,independent LCD for each power module

⚡ Smart sleep function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency

⚡ Multi communication interface

Provide RS232,RS485,USB,SNMP,AS400 and programmable dry contacts

Product Specifications

MODEL			RM500/50X		RM400/50X		RM300/50X		RM200/50X		RM100/50X		
System Capacity			500kVA		400kVA		300kVA		200kVA		100kVA		
Power Module Capacity			50kVA/50kW										
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, 125% for 5 mins , 150% for 1 min , >150% for 1s							125% long term, 130% for 10 mins , 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										
		AC Mode	96%										
Efficiency		ECO Mode	99%										
		Battery Mode	96%										
System	Display		10.4"(240kVA-500kVA) or 7"(80kVA-200kVA) touch screen LCD + LED + keyboard										
	IP Class		IP20										
	Interface		RS232,RS485, Programmable Dry Contact , USB										
	Option		SNMP Card, Parallel kit, SPD, LBS, Dust filter										
	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 , 69dB @ 45% load										
	Applicable Standards		Safety: IEC/EN 62040-1, EMC: IEC/EN 62040-2, Performance : IEC/EN 62040-3										
	Physical	Weight (kg)	Cabinet	900	700	490	350	210					
			Power module	45									
Dimension		Cabinet	1300*1100*2000	1050*1000*2000	650*1095*2000	650*960*1600	600*980*1150						
W*D*H(mm)		Power module	510*700*178										