INVERTRONS

RM Series Modular Online UPS

40-500KVA (380V/400V/415V)



Description:

The RM series modular online UPS is designed to protect any critical load for medium and large data center. The RM series feature the latest technology of 3-level DSP technology which guarantees high efficiency of 96%, 3 units can be paralleled up to 1500KVA.

FEATURES

Compact design

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

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

High Power density

40/50KVA power module in 4U height, easy for capacity expansion

Friendly HMI

10.4” touch color LCD with graphic display.

Independent LCD for each power module

High efficiency

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

Smart sleep function

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

Intelligent charging management

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

Multi communication interface

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

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SPESIFICATION

MODEL			RM500/50X	RM300/50X	RM200/50X	RM100/50X	RM400/40X	RM240/40X	RM160/40X	RM80/40X
System Capacity			500KVA	300KVA	200KVA	100KVA	400KVA	240KVA	160KVA	80KVA
Power Module Capacity			50KVA/45KW				40KVA/40KW			
Input	Dual Input		Standard	Optional	Standard			Optional	Standard	
	Phase		3 Phases + neutral + Ground, 380V/400V/415V (Line-line)							
	Input Voltage Range		304-478Vac (line-line), full load; 228-304Vac (line-line), load decreases linearly according to the min phase voltage							
	Rate Frequency		50/60Hz							
	Frequency Range		40Hz ~ 70Hz							
	Input PF		>0,99							
	THDi		THDi<3% @100% Linear load							
Bypass	Rate Voltage		380V/400V/415V (Line to Line)							
	Rate Frequency		50/60Hz							
	Input Voltage Range		Settable, -40% - +25%							
	Bypass Frequency Range		Settable, ±1Hz, ±3Hz, ±5Hz							
	Bypass Overload		110% Long term operation; 130% for 5 mins; 150% for 1min;>150% for 1s		125% Long term operation; 130% for 10 mins; 150% for 1 min;>150% for 300ms		110% Long term operation; 125% for 5 mins; 150% for 1min;>150% for 1s		125% Long term operation; 130% for 10 mins; 150% for 1 min;>150% for 300ms	
Output	Rate Voltage		380V/400V/415V (Line to Line)							
	Voltage Regulation		1% for balance load, 1.5% for unballance load							
	Rate Frequency		50/60Hz							
	Frequency Precicion		0.1%							
	Output PF		0.9							
	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 200ms							
Battery	Voltage		±240VDC							
	Battery Number		40pcs (Settable : even number from 32 to 44)							
	Voltage Precicion		±1%							
	Charge Power		up to 20% Output active power							
	Battery Cold Start		Standard		Optional		Standard		Optional	
System	Efficiency	AC Mode	AC mode: 95% ECO mode: 99.0% Battery mode: 95.0%							
	Display		10.4"" color touch LCD + LED + Keyboard							
	IP Class		IP20							
	Interface		RS232, RS485, Programmable Dry contacts, USB							
	Options		SNMP Card, parallel kit, SPD, LBS, Dust filter							
	Temperature		0~40°C/-40~70°C							
	Relative Humidity		0~95%(non-condensing)							
	Noise (1 meter)		72dB @ 100% load, 69dB @ 45% load							
Physical	Weight (Kg)	Cabinet	900							
		Power Module	45				44			
	Dimension (WxDxH) mm	Cabinet	1300*1100 *2000	650*970 *2000	650*960 *1600	600*980 *1150	1300*1100 *2000	650*970 *2000	650*960 *1600	600*980 *1150
		Power Module	510*700*178							

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