



# RMD Series

## 10~60kVA Modular UPS



### Power range

10~60kVA



### Operation

3P/3P,3P/1P,1P/1P,Online double conversion



### Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.



### Characteristics

- Mounted in 19 inch rack, or stand alone.
- 7 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Extreme high power density,10kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.





Model	RMD20/10	RMD40/10	RMD60/10
Rate Power	20kVA/20kW	40kVA/40kW	60kVA/60kW
Main input	Input	3P5W (3P+N+PE)	
	Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)	
	Rate Freq.	50/60Hz	
	Input PF	>0.99	
	Current distortion	THDi<3%(100% Linear load)	
	Voltage range	304 ~ 478VAC(L-L)full load ; 304 ~ 228VAC (L-L) power derate from 100% to 75%	
	Freq. range	40-70Hz	
Battery	Rate voltage	±240VDC	
	Charging capacity	20%*Pout	
	Charging accuracy	±1%	
Bypass	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)	
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%;	
	Overload	110%, long time operation; 110%< load<125%, 5 mins; 125%<load<150%,1 min; >150%,1 second	
Inverter	Rate voltage	220/230/240VAC(L-N)	
	Rate Freq.	50/60Hz	
	Output PF	1	
	Voltage accuracy	±1.0%	
	Load response	<5% (20% - 80% -20% step load)	
	Recovery time	< 20ms (0% - 100% -0% step load)	
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)	
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms	
	Frequency accuracy	0.1%	
	Synchronize window	Settable , ±0.5Hz-±5Hz, default ±3Hz	
	Slew rate	Settable , 0.5Hz/S-3Hz/S, default 0.5Hz/S	
Phase Accuracy	120°±0.5°		
System	Efficiency	Normal Mode≥96%; Battery Mode≥96%	
	Display	LED + 7 inch touch LCD	
	Certification- Safety	IEC62040-1, IEC60950-1	
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)	
	IP degree	IP20	
	Configuration	USB, RS232, RS485, Dry contact, Cold start	
	Option	SNMP card、AS400 card、Parallel kit、LBS、Air filter	
	Environment	0-40℃(operation); -25℃~70℃(storage); 0-95% (Humidity, non-condensing)	
	Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load	
Dimension	cabinet(W*D*H)mm	482*700*396 (9U , wheels not included)	482*700*662(15U , wheels not included) 482*700*840(19U , wheels not included)
	module(W*D*H)mm	440*555*85 ( 2U )	

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