

# RMD-B Series

30 ~ 150kVA Modular UPS

30kW Modules

Internal 7/9Ah modular battery strips



## Power range

30~150kVA

## Operation

3P/3P, Online double conversion

## Applications

- Government
- Finance
- IT
- Education
- Transportation
- Broadcasting
- Medical
- Energy

## Characteristics

- 10 inch touch LCD with IoT functions
- High power density, small volume.
- High reliability and environmental adaptability..
- Optional full metal battery strips, with internal batteries capable of configuring up to 24 pcs battery strips.
- Standard configuration for mains input/output, maintenance bypass, battery breaker.

Power module

Full metal battery strips (Optional)



Model	RMD090B/30-240P	RMD150B/30-240P
Rate Power	90kVA	150kVA
<b>Main Input-</b>		
Input	3P5W (3P+N+PE)	
Rate Voltage	380/400/415VAC(L-L)	
Rate Freq.	50/60Hz	
Input PF	>0.99	
Current distortion	THDi<3%	
Voltage range	304 478VAC(L-L)full load 304 228VAC (L-L) power derate from 100% to 50%	
Freq. range	40-70Hz	
<b>Battery</b>		
Rate voltage	±240VDC	
Model	UPS with internal batteries,12VDC/7~9Ah	
Quantity	Battery strips	
Charging capacity	Max. 20%*Pout	
Charging accuracy	±1%	
<b>Bypass</b>		
Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)	
Voltage range	Range: -40%- +25% , Settable, default -20% +15%	
Frequency range	50/60Hz Settable ±1Hz ±3Hz ±5Hz	
<b>Inverter</b>		
Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)	
Rate Freq.	50/60Hz	
Output PF	1	
Voltage accuracy	±1.0%	
Output THDu	<1%(linear load),<3% (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	
Crest factor	3:1	
Phase Accuracy	120°±0.5°	
<b>System</b>		
Efficiency-normal mode	up to 96%	
Display	LED + 10 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, Air filter	
Option	SNMP card, AS400 card, Parallel kit, Cold start	
Environment	0-40 °C (operation); -25 °C ~70 °C (storage); 0-95% (Humidity, non-condensing )	
<b>Dimension</b>		
Cabinet (W*D*H)mm	600*1000*2000	
Module (W*D*H)mm	440*678*86(2U)	
<b>Weight(kg)</b>		
Cabinet (No include batteries)	260	280
Module	23	
Power module rated capacity	30KW	

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