

RMD Series

100 ~ 1200kVA Modular UPS
100kW Modules



Power range

100~1200kVa

Operation

3P/3P, Online double conversion

Applications

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

Characteristics

- Fully digital control, flexible and robust
- 10 inch touch LCD with IoT functions
- High reliability and environmental adaptability with protection of components level
- Supports battery connection without Neutral
- Maximum capacity of up to 3.2MW the ideal choice for large data centers



TM

Model	RMD600/100E	RMD800/100E	RMD1200/100E
Rate Power	600kVA	800kVA	1200kVA
Main Input-			
Input	3P5W (3P+N+PE)		
Rate Voltage	380/400/415VAC(L-L)		
Rate Freq.	50/60Hz		
Input PF	>0.99		
Current distortion	THDi<2%		
Voltage range	304 478VAC(L-L)full load 304 228VAC (L-L) power derate from 100% to 50%		
Freq. range	40-70Hz		
Battery			
Rate voltage	3 wires: ± 240 VDC / 2 wires: 480VDC		
Charging capacity	Max. 15%*Pout		
Charging accuracy	$\pm 1\%$		
Bypass			
Rate voltage	380/400/415VAC(L-L)		
Voltage range	Range: -40% +25% , Settable, default -20% +15%		
Overload	110%, long time operation 110%< load<125%, 10 mins 125%<load<150%,1 min >150%,1s		
Inverter			
Rate voltage	380/400/415VAC(L-L)		
Rate Freq.	50/60Hz		
Output PF	1		
Voltage accuracy	$\pm 1.0\%$		
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 ± 0.5 Hz ± 5 Hz default ± 3 Hz		
Slew rate	Settable 0.5Hz/S-3Hz/S default 0.5Hz/S		
Crest factor	3:1		
Phase Accuracy	$120^\circ \pm 0.5^\circ$		
System			
Efficiency	up to 97%		
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, Cold start, Air filter		
Option	SNMP card, AS400 card, Parallel kit, SPD, Top air outlet		
Environment	0-40 °C (operation); -25 °C ~70 °C (storage); 0-95% (Humidity, non-condensing)		
Noise(dB)(1 meter)	72dB @ 100% load, 68dB @ 45% load		
Dimension			
Cabinet(W*D*H)mm	800*1000*2000		1200*1100*2000
Module(W*D*H)mm		475*705*140	
Weight			
Cabinet	380	390	624
Module		47	
Power Module rated capacity		100KW	

Statement: The products will continue to be innovative and optimized, which may lead to asynchronous updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.