

# RMD Series

10 ~ 300kVA Modular UPS  
10-30kW Modules



## Power range

10~300kVA

## Operation

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

## Applications

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

## Characteristics

- 7 inch touch LCD with IoT functions
- Supports 3P/1P,1P/1P flexibility configuration.
- High reliability and environmental adaptability with protection of components level
- No disassembly, direct mounted in 19 inch rack, or stand alone.
- Extreme high power density,30kW in 2U, friendly for space and maintenance.
- Supports supercharging, satisfy high-capacity lithium batteries.



| Model                  | RMD100/10E  | RMD200/20E   | RMD250/25E | RMD300/30E |
|------------------------|---|--------------|------------|------------|
| Rate Power             | 100kVA  | 200kVA       | 250kVA     | 300kVA     |
| <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<2%(100% Linear load)   |              |            |            |
| Voltage range          | MOD10-25E: 304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 50%<br>MOD30E: 324~478VAC(L-L)full load; 324~228VAC (L-L) power derate from 100% to 50% |              |            |            |
| Freq. range            | 40-70Hz   |              |            |            |
| <b>Battery</b>         |   |              |            |            |
| Rate voltage           | ±240VDC(default 40pcs,30-50pcs selected)  |              |            |            |
| Charging capacity      | 50%*Pout ( Limited by input current)  |              |            |            |
| Charging accuracy      | ±1%   |              |            |            |
| <b>Bypass</b>          |   |              |            |            |
| 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   |              |            |            |
| <b>Inverter</b>        |   |              |            |            |
| Rate voltage           | 380/400/415VAC(L-L)   |              |            |            |
| 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   |              |            |            |
| Phase Accuracy         | 120°±0.5°   |              |            |            |
| <b>System</b>          |   |              |            |            |
| Efficiency-normal mode | up to 97%   |              |            |            |
| 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, Air filter, Ethernet port   |              |            |            |
| Option                 | SNMP card, AS400 card, SPD, Parallel kit  |              |            |            |
| Environment            | 0-40 °C (operation); -25 °C ~70 °C (storage); 0-95% (Humidity, non-condensing )   |              |            |            |
| Noise(dB)(1 meter)     | 65dB @ 100% load, 62dB @ 45% load   |              |            |            |
| <b>Module</b>          |   |              |            |            |
| Dimention (W*D*H)mm    | 400*495*86  |              |            |            |
| Weight(kg)             | 13.85   |              |            |            |
| Cabinet                | Dimention (W*D*H)mm   | 600*850*2000 |            |            |
|                        | Weight(kg)  | 143          |            |            |

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