

EU- Standard Low Voltage Type 25.6V/51.2V



RM25100/25200/25280/25314
RM51100/51200/51280/51314

Rack-Mounted Lithium Battery



Excellent Cycle Performance:
Featuring high-quality EVE/BYD battery cells
6,000 cycles at 80% Depth of Discharge (DOD).



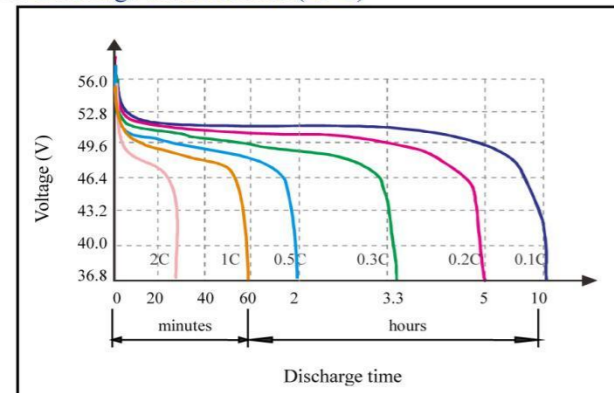
Superior Charge Efficiency & Minimal Energy Loss
Engineered for rapid energy replenishment.
Features an exceptionally low self-discharge rate



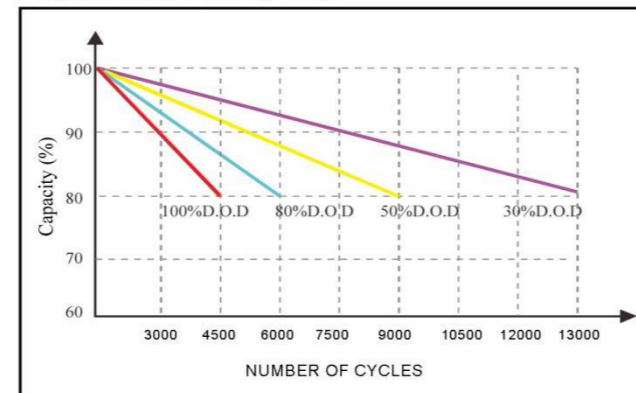
Comprehensive Safety Protections
Integrated BMS provides multi-layer protection against
overcharge, over-discharge, short circuit, and other fault
conditions.

Technology Curve

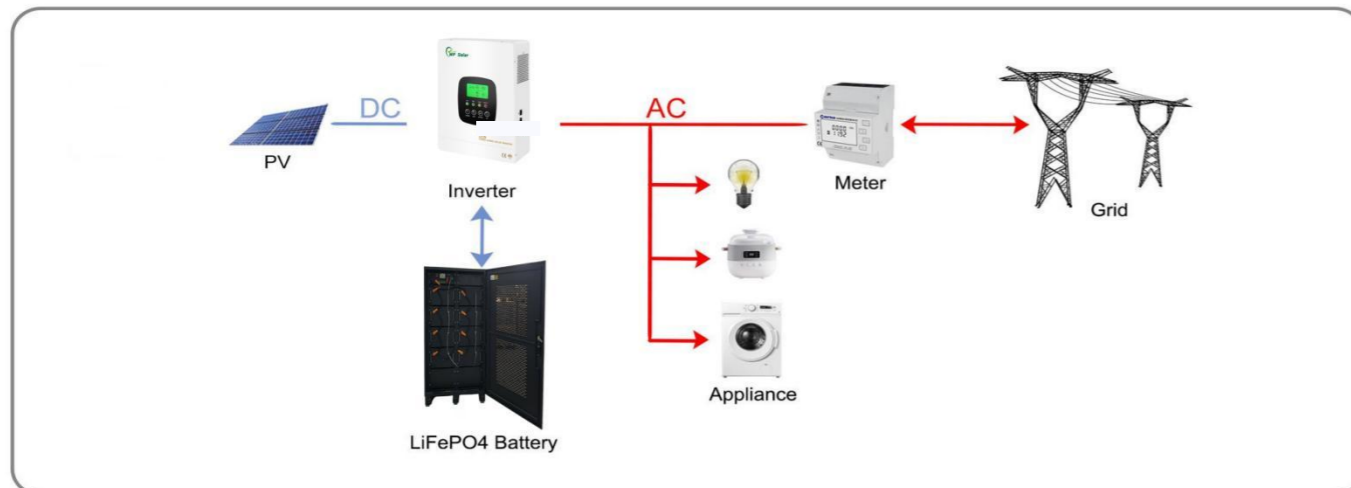
Discharge characteristics (25°C)



Cycle life on D.O.D (25°C)



Solar System Connection



Product Specifications

| Model | RM25100 | RM25200 | RM25280 | RM25314 | RM51100 | RM51200 | RM51280 | RM51314 |
|---|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Battery Data | | | | | | | | |
| Battery type | LiFePO4 | | | | | | | |
| Battery nominal voltage (Vdc) | 25.6V | | | | 51.2V | | | |
| Battery capacity (WH) | 25.6v/100Ah | 25.6v/200Ah | 25.6v/280Ah | 25.6v/314Ah | 51.2v/100Ah | 51.2v/200Ah | 51.2v/280Ah | 51.2v/314Ah |
| Battery Total Energy | 2.56kw | 5.12kw | 7.16kw | 8.03kw | 5.12kw | 10.24kw | 14.33kw | 16.07kw |
| Rated Energy | 2.56kw | 5.12kw | 7.16kw | 8.03kw | 5.12kw | 10.24kw | 14.33kw | 16.07kw |
| Peak Energy | 2.8kw | 5.3kw | 7.3kw | 8.2kw | 5.3kw | 10.4kw | 14.5kw | 16.2kw |
| Allowable BMS Load Current | 100A | 100A | 200A | 200A | 100A | 100A | 200A | 200A |
| Battery Voltage Range(DC) | 22.4V~29.2V | | | | 44.8V~58.4V | | | |
| Inverter Operating Voltage Range (single-phase) | 50V-150V | | | | | | | |
| Inverter Operating Voltage Range (three-phase) | 50V-150V | | | | | | | |
| Communication | | | | | | | | |
| Display | LED indicator screen | | | | | | | |
| Protocol | RS485 /RS232/ CAN (Series parallel connection with either option) | | | | | | | |
| Specifics | | | | | | | | |
| Dimension (L x W x H) | 442*269*133 mm | 442*420*133 mm | 440*400*230 mm | 440*400*230 mm | 442*420*133m m | 442*420*265 mm | 400*230*720 mm | 400*230*720 mm |
| N.W (Accessories Included) | 22.7Kg | 39Kg | 60Kg | 61Kg | 39Kg | 78.7Kg | 106Kg | 107Kg |
| Dimension (L x W x H) | 510*370*210 mm | 540*505*235 mm | 540*535*375 mm | 540*535*375 mm | 540*505*235m m | 540*535*375 mm | 850*500*330 mm | 850*500*330 mm |
| N.W (Accessories Included) | 24KG | 41Kg | 62Kg | 63Kg | 41Kg | 81.5Kg | 109.5Kg | 111Kg |
| Installation | Rack Mouted | | | | | | | |
| Working Temperature | -20℃~ +55℃ | | | | | | | |
| Recycle Life | ≥6000cycles @ 0.2C 80%DOD | | | | | | | |
| Maximum Working Altitude | 4000 m(≥2000m derating) | | | | | | | |
| Installation Environment | Indoor & outdoor scenario, | | | | | | | |
| Working Relative Humidity | 5%~95% | | | | | | | |
| Heat Dissipation | natural convection | | | | | | | |
| Protection Grade | IP20 | | | | | | | |
| Cell | LiFePO4 | | | | | | | |
| Expansibility | A max of 32 modules can be used in parallel | | | | | | | |
| Matching Inverter | Most current mainstream inverters(lithium) | | | | | | | |
| Satisfied Criteria | | | | | | | | |
| Safety & Certification | CE, CEC,IEC62619, IEC 60730, UN38.3,MSDS | | | | | | | |