

RW-M5.3



- Safer**
 Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan, high efficiency and high-energy density.
- Reliable**
 Intelligent BMS, providing complete protection. Natural cooling, IP23, wide temperature range: -20°C to 55°C.
- Flexible**
 Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 170kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.
- Convenient**
 Battery module auto networking, easy maintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.
- Eco-Friendly**
 Use environmental protection materials, the whole module non-toxic, pollution-free.
- Wall-Mounted**
 Flat design, wall-mounted, saving installation space.

Technical Data

| Model | | RW-M5.3 |
|------------------------------------|--|-------------------|
| Main Parameter | | |
| Battery Chemistry | LiFePO ₄ | |
| Capacity (Ah) | 104 | |
| Scalability | Max.32 pcs in Parallel(170kWh) | |
| Nominal Voltage (V) | 51.2 | |
| Operating Voltage(V) | 43.2~57.6 | |
| Energy (kWh) | 5.32 | |
| Usable Energy (kWh) ^[1] | 4.79 | |
| Charge/Discharge Current (A) | Recommend ^[2] | 34 |
| | Max. ^[2] | 80 |
| | Peak | 100 (10mins,25°C) |
| Other Parameter | | |
| Recommend Depth of Discharge | 90% | |
| Dimension (W/H/D, mm) | 380*620*140(Without Hanging Board) | |
| Weight Approximate(kg) | 44 | |
| Master LED Indicator | 5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting) | |
| IP Rating of Enclosure | IP23 | |
| Operating Temperature | Charge:0 ~ +55°C / Discharge:-20°C ~ +55°C | |
| Storage Temperature | 0°C ~ +35°C | |
| Humidity | 5% ~ 95% | |
| Altitude | ≤2000m | |
| Cycle Life | ≥4000(25°C±2°C,0.2C/0.2C,70%EOL) | |
| Installation | Wall-Mounted | |
| Communication Port | CAN2.0, RS485 | |
| Warranty Period ^[3] | 5 years | |
| Energy Throughput ^[3] | 8MWh@70%EOL | |
| Certification | UN38.3, IEC62619, CE | |

[1] DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or energy throughput.