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℃)
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℃ / Discharge:-20℃ ~ +55℃
Storage Temperature		0℃ ~ +35℃
Humidity		5% ~ 95%
Altitude		≤2000m
Cycle Life		≥4000(25℃±2℃,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℃. 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.