

# 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
<b>Main Parameter</b>		
Battery Chemistry	LiFePO <sub>4</sub>	
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) <sup>[1]</sup>	4.79	
Charge/Discharge Current (A)	Recommend <sup>[2]</sup>	34
	Max. <sup>[2]</sup>	80
	Peak	100 (10mins,25°C)
<b>Other Parameter</b>		
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 <sup>[3]</sup>	5 years	
Energy Throughput <sup>[3]</sup>	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.