

RW-M5.3 Pro



- 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, IP20, 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 & Rack-Mounted**
 Flat design, support wall-mounted or 19inch rack, saving installation space.

Technical Data

Model		RW-M5.3 Pro
Main Parameter		
Battery Chemistry	LiFePO4	
Built-in Circuit Breaker	125A 1P, 125Vdc	
Capacity (Ah)	104	
Scalability	Max.32 pcs in Parallel (170kWh)	
Nominal Voltage (V)	51.2	
Operating Voltage (V)	43.2~57.6	
Nominal Energy (kWh)	5.32	
Usable Energy (kWh) ^[1]	4.79	
Charge/Discharge Current (A) ^[2]	Recommend	50
	Max	100
	Peak	150 (2mins, 25°C)
Other Parameter		
Recommend Depth of Discharge	90%	
Dimension (W/H/D, mm)	440*581*165 (Without hanging board and handle)	
Weight Approximate (kg)	45	
Master LED Indicator	5LED (SOC:20%~SOC100%), 3LED (working, alarming, protecting)	
IP Rating of Enclosure	IP20	
Operating Temperature	Charge: 0°C~55°C / Discharge: -20°C~55°C	
Storage Temperature	0°C~35°C	
Humidity	5%~95%	
Altitude	≤2000m	
Cycle Life	≥6000 (25°C±2°C, 90%DOD, 0.5C/1C, 70%EOL)	
Installation	Wall-Mounted, 19inch Rack-mounted	
Communication Port	CAN2.0, RS485	
Warranty Period ^[3]	5 years	
Energy Throughput	16MWh@70%EOL	
Certification	UN38.3, CE, IEC62619	

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System capacity and 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.