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℃ to 55℃.

- **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.

Deye

Stock Code: 605117.SH

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°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.

Introduction

This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye , it can be used to support reliable power for various types of equipment and systems.

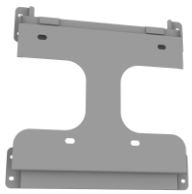
This series is especially suitable for application scene of low power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life.

Multiple batteries can connect in parallel for larger capacity and longer power supporting duration requirements.

Battery Pack Accessories

Model	Accessories Parts Description	Remark
RW-M5.3-Hboard	Battery Hanging Board (Included)	Used for battery fixing on the wall.
RW-M5.3-PCable	Hybrid inverter Cable (Optional)	Battery power and communication cable connect with hybrid inverter.
RW-M5.3-BCable	Battery Parallel Cable (Optional)	Battery power and communication parallel connection cable.



Model: RW-M5.3-Hboard

Details: 3kg(Approximate)





Model: RW-M5.3-PCable

Details: Pair of 4AWG DC power cable (with M8 copper terminals) and RJ45 communication cable connect with hybrid inverter. The cable length can be customized based on customer requirements, default length is **1500mm**.



Model: RW-M5.3-BCable

Details: Pair of 4AWG battery power cable and RJ45 communication cable for battery parallel. The cable length can be customized based on customer requirements, default length is **600mm**.

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