

# 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.



Stock Code: 605117.SH

| Model                                       |   | RW-M5.3 Pro      |
|---|---|------------------|
| <b>Main Parameter</b>                       |   |                  |
| Battery Chemistry                           | LiFePO <sub>4</sub>   |                  |
| Built-in Circuit Breaker                    | 125A 1P, 125Vdc   |                  |
| Capacity (Ah) <sup>[1]</sup>                | 104   |                  |
| Scalability                                 | Max.32 pcs in Parallel(170kWh)                              |                  |
| Nominal Voltage (V)                         | 51.2  |                  |
| Operating Voltage(V)                        | 43.2~57.6   |                  |
| Nominal Energy (kWh) <sup>[1]</sup>         | 5.32  |                  |
| Usable Energy (kWh) <sup>[1]</sup>          | 4.79  |                  |
| Charge/Discharge Current (A) <sup>[2]</sup> | Recommend   | 50               |
|   | Max.  | 100              |
|   | Peak  | 150 (2mins,25°C) |
| <b>Other Parameter</b>                      |   |                  |
| 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 ~ +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 <sup>[3]</sup>              | 5 years   |                  |
| Energy Throughput <sup>[3]</sup>            | 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.

## Introduction

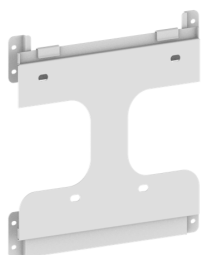
This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye , it can be used to support reliable power for various types of equipment and systems.

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 to extend cycle life duration.

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

| 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 (Included)  | Battery power and communication cable connect with hybrid inverter. |
| RW-M5.3-BCable | Battery Parallel Cable (Included) | Battery power and communication parallel connection cable.          |



**Model: RW-M5.3-Hboard**  
**Details: 2kg(Approximate)**



**Model: RW-M5.3-BCable**  
**Details:** Pair of 300mm 4AWG power cable (both ends are M6 copper terminals), 300mm RJ45 communication cable, and 300mm 10AWG yellow-green ground cable for battery parallel when rack-mounted.



**Model: RW-M5.3-PCable**  
**Details:** Pair of 4AWG battery power cable (one end is M6 copper terminal, the other end is M10 copper terminal) and RJ45 communication cable connect with hybrid inverter. The cable length can be customized based on customer requirements, default length is 1500mm.