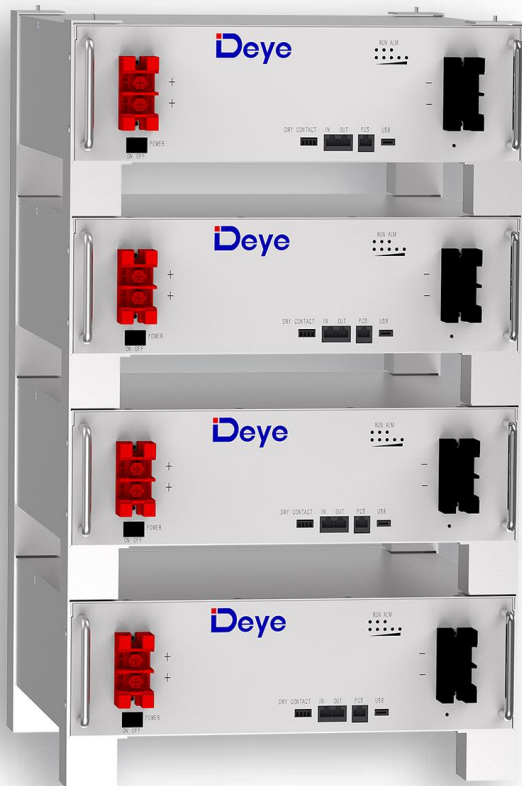
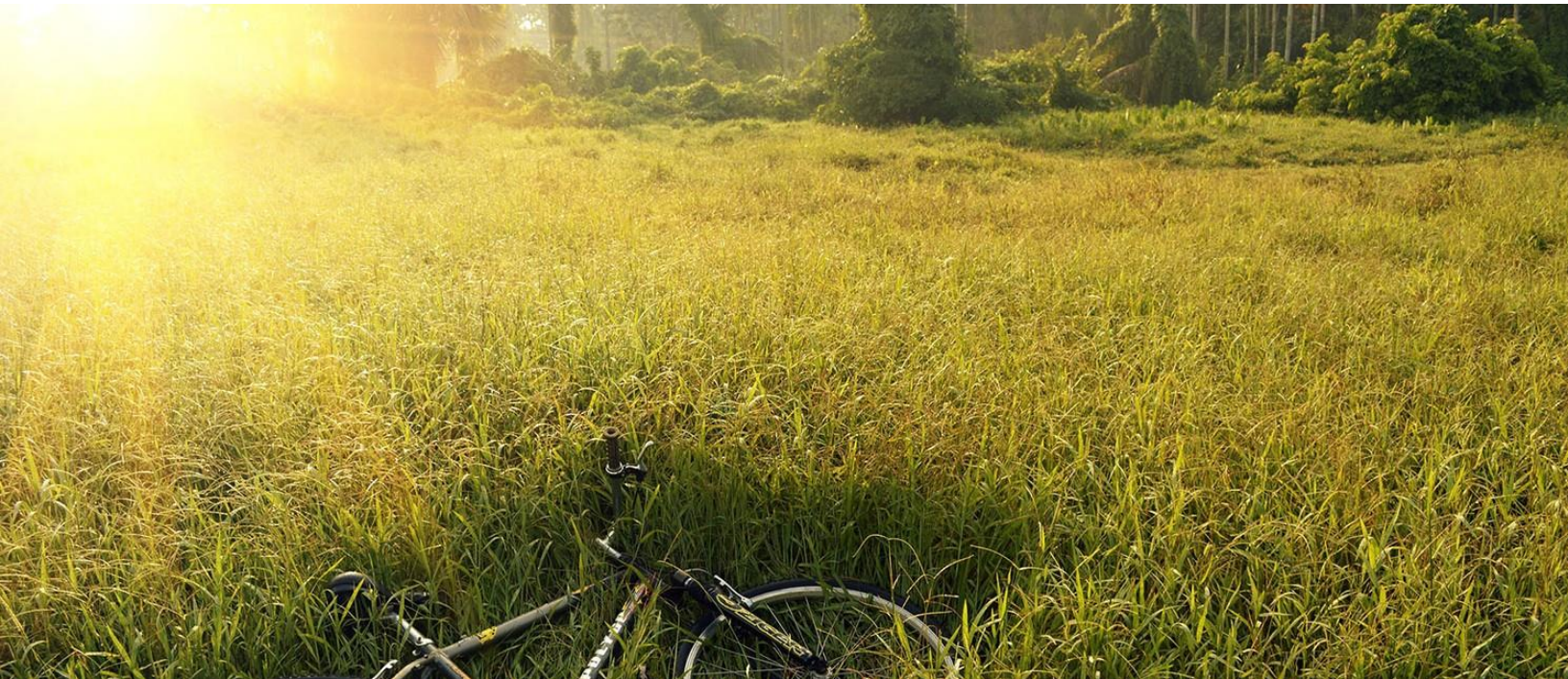


# SE-G5.1 Pro



#### ◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high-Power density. Intelligent BMS, providing complete protection.

#### ◆ Reliable

Support high discharge power. IP20, natural cooling, wide temperature range: -20°C to 55°C.

#### ◆ Flexible

Modular design, easy to expand, Max. 64 units in parallel, Max. capacity of 327kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

#### ◆ Convenient

Battery module auto networking, Automatic IP addressing, Easy maintenance, remotely monitoring and upgrade, Support USB drive upgrade the firmware.

#### ◆ Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.



Stock Code: 605117.SH

| Model                              |   | RW-M6.1 |
|------------------------------------|---|---------|
| <b>Main Parameter</b>              |   |         |
| Battery Chemistry                  | LiFePO4   |         |
| Capacity (Ah)                      | 100   |         |
| Scalability                        | Max. 64 pcs pack (327kWh) in parallel (Max. 32 pcs no external setup) |         |
| Nominal Voltage (V)                | 51.2  |         |
| Operating Voltage(V)               | 43.2~57.6   |         |
| Energy (kWh)                       | 5.12  |         |
| Usable Energy (kWh) <sup>[1]</sup> | 4.61  |         |
| Charge/Discharge Current (A)       | Recommend <sup>[2]</sup>  | 50      |
|                                    | Max. <sup>[2]</sup>   | 100     |
|                                    | Peak(2mins,25°C)  | 150     |
| <b>Other Parameter</b>             |   |         |
| Recommend Depth of Discharge       | 90%   |         |
| Dimension (W/H/D, mm)              | 445*133*430   |         |
| Weight Approximate(kg)             | 44  |         |
| 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,0.5C/0.5C,70%EOL)                                      |         |
| Installation                       | 19-inch standard cabinet, cabinet depth ≥600mm / with rack            |         |
| Communication Port                 | CAN2.0, RS485   |         |
| Warranty Period <sup>[3]</sup>     | 10 years  |         |
| Energy Throughput <sup>[3]</sup>   | 16MWh@70%EOL  |         |
| Certification                      | UN38.3, UL1973, IEC62619, CE, CEI 0-21                                |         |

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C 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 life cycle power.

## Introduction

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

This series is especially suitable for application scene of high 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 to expand capacity and power in parallel for larger capacity and longer power supporting duration requirements.

| Model      | Accessories Parts Description            | Remark   |
|------------|--|--|
| 3U-LBCable | Battery Parallel Cable<br>(Config Free)  | Battery power and communication parallel connection cable                        |
| 3U-LRfe    | Battery Rack Fixed Ears<br>(Config Free) | Used for battery fixing with 19inch rack or cabinet                              |
| 3U-Bracket | Battery Brackets<br>(Optional)           | Simple stacking bracket, 1 unit including 4 pcs brackets, Max. stacking 4 floors |
| 3U-HRack   | Battery Rack<br>(Optional)               | Standard 19inch rack, can install 10 pcs batteries                               |
| 3U-LPCable | Hybrid inverter Cable<br>(Optional)      | Battery power and communication cable connect with hybrid inverter               |



**Model: 3U-LBCable**

**Details:** Pair of 300mm 4AWG Power cable and 300mm RJ45 communication cable for battery parallel



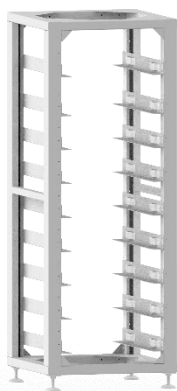
**Model: 3U-LRfe**

**Details:** Pair of rack fixed ears used for battery fixing with 19inch rack or cabinet



**Model: 3U-Bracket**

**Details:** Simple stacking bracket, height 187mm, 1 unit including 4 pcs brackets, Max. stacking 4 floors



**Model: 3U-HRack**

**Details:** Standard 19inch rack, can install 10 pcs batteries



**Model: 3U-LPCable**

**Details:** Pair of 4AWG Battery power cable and RJ45 communication cable connect with hybrid inverter. The cable length can be customized based on customer requirements, default length is 2000mm.