

RW-F10.2 (EU&AU)



◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan and high-energy density. Low Voltage safety connection.

◆ High performance

Maximum support 1C charge and 1.25C discharge.

Maximum 6000 cycles at 90% DOD, and 10 years standard warranty.

◆ Reliable

Built-in Intelligent BMS, providing complete protection. Natural cooling, IP65, wide temperature range: -20°C to 55°C.

◆ Flexible

Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 327kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

◆ Convenient

Battery module auto networking(No DIP switch code), easy maintenance, support Deye remotely monitoring and upgrade. Also supports Deye inverters to form a stack all-in-one system.

◆ Eco-Friendly

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

◆ Two Mounting Methods

Flat design, Wall-mounted with Wall Bracket, Floor Stand with removable base, saving installation space.



Stock Code: 605117.SH

| Model | | RW-F10.2 |
|---|--|------------------------------|
| Main Parameter | | |
| Battery Chemistry | LiFePO ₄ | |
| Capacity (Ah) | 200 | |
| Scalability | Max. 32 pcs pack (Max.327kWh) in parallel | |
| Nominal Voltage (V) | 51.2 | |
| Operating Voltage(V) | 43.2~57.6 | |
| Nominal Energy (kWh) | 10.24 | |
| Usable Energy (kWh) ^[1] | 9.2 | |
| Charge/Discharge Current (A) ^[2] | Recommend | 100 |
| | Max. | Discharge: 250 / Charge: 200 |
| | Peak(2mins,25°C) | 300 |
| Other Parameter | | |
| Recommend Depth of Discharge | 90% | |
| Dimension (W/H/D, mm) | 600*750*200(Without hanging board) | |
| Weight Approximate(kg) | 90 | |
| Master LED Indicator | 5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting) | |
| IP Rating of Enclosure | IP65 | |
| 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,90%DOD,70%EOL) | |
| Installation | Wall-Mounted, Floor-Mounted | |
| Communication Port | CAN2.0, RS485 | |
| Warranty Period ^[3] | 10 years | |
| Energy Throughput | 32MWh(25°C, 0.5C/0.5C, 70%EOL) | |
| Certification | UN38.3, IEC62619, CE, CEI 0-21, VDE2510-50, CEC | |

[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] Conditions apply, refer to Deye Warranty Letter.

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 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 to extend cycle life. Multiple batteries can connect in parallel for larger capacity and longer power supporting.



Left view



Front view



Right view

System Topology Reference

