



◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery, providing safety and a longer lifespan, plus high efficiency and high-power density. Safe Low Voltage connection.

◆ High performance

Supports maximum 1C charge and 1.2C discharge.
Up to 6000 cycles at 90% DOD, with 10 years standard warranty.

◆ Reliable

Built-in Intelligent BMS, providing complete protection.
Features natural cooling, IP65, and wide temp. range: -20°C to 55°C.

◆ Flexible

Modular design makes expansion easy, with up to 32 units in parallel, for a max. capacity of 326kWh.
Suited to residential and commercial applications looking to increase the self-consumption ratio.

◆ Convenient

Battery module auto-networking (No DIP switch code) with easy maintenance, supporting remote monitoring and upgrade.

◆ Eco-Friendly

Uses environmentally friendly materials, with the entire module being non-toxic and pollution-free.

◆ Two Mounting Methods

Flat design, with support for wall-mounted with wall bracket, or floor stand with removable base, saving installation space.

Model		RW-F10.2
Main Parameter		
Battery Chemistry		LiFePO ₄
Built-in Circuit Breaker		125A 4P, 60Vdc
Nominal Capacity (Ah)		200
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2 ~ 57.6
Nominal Energy (kWh)		10.2
Usable Energy (kWh)		9.2 (90%DOD)
Scalability		Max. 32 pcs pack (Max.326kWh) in parallel
Rated DC Power(kW)		6
Max DC Power(kW)		12
Charge/Discharge Current (A) ^[1]	Recommend	Charge: 100 / Discharge: 100
	Max.	Charge: 198 / Discharge: 240
	Peak	Discharge: 300 (2mins,25°C)
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D, mm)		600*760*200(Without hanging board)
Weight Approximate(kg)		104
Master LED Indicator		SOC state(20% ~ 100%), work state(alarming, protecting)
IP Rating of Enclosure		IP65
Operating Temperature		Charge: 1~55°C / Discharge: -20°C~55°C
Storage Temperature		0°C~35°C
Humidity		5%~95%
Altitude		≤3000m
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 ^[2]		10 years
Energy Throughput		32MWh(25°C, 0.5C/0.5C, 70%EOL)
Certification ^[3]		UN38.3, IEC62619, CE, CEI 0-21, VDE2510-50, CEC

[1] The current is affected by temperature and SOC.

[2] Conditions apply, refer to Deye Warranty Letter.

[3] Made in China

Introduction

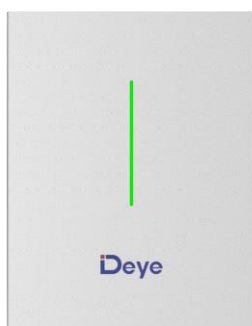
This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye, it can be used to support reliable power for various types of equipment and systems.

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

