

RW-F10.2&RW-F10.2-B



- Safer**
 Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan and high-energy density. Low Voltage safety connection.
- High Performance**
 RW-F10.2 supports up to 1C charging and 1.2C discharging; RW-F10.2-B supports up to 1C charging and 1.25C discharging. 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. The RW-F10.2 has a maximum capacity of 326kWh. The RW-F10.2-B has a maximum capacity of 327kWh and supports hand-in-hand rapid parallel expansion. 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.

Technical Data

Model	RW-F10.2	RW-F10.2-B
Main Parameter		
Battery Chemistry	LiFePO4	
Built-in Circuit Breaker	125A 4P, 60Vdc	
Capacity (Ah)	200	
Scalability	Max. 32 pcs pack (Max.326kWh) in parallel	Max. 32 pcs pack (Max.327kWh) in parallel
Nominal Voltage (V)	51.2	
Operating Voltage (V)	43.2~57.6	
Nominal Energy (kWh)	10.2	10.24
Usable Energy (kWh) ^[1]	9.2 (90%DOD)	
Charge/Discharge Current (A) ^[2]	Recommend	Charge: 100 / Discharge: 100
	Max	Charge: 198 / Discharge: 240
	Peak	300 (2mins, 25°C)
Other Parameter		
Recommend Depth of Discharge	90%	
Dimension (W/H/D, mm)	600*760*200 (Without hanging board)	600*830*200 (Without hanging board)
Weight Approximate (kg)	104	107
Master LED Indicator	SOC state (20% ~ 100%), work state (alarming, protecting)	LED (SOC:20%~SOC100% and working state)
IP Rating of Enclosure	IP65	
Operating Temperature	Charge: 1°C~55°C / Discharge: -20°C~55°C	
Recommend Operating Temperature	15°C~35°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 ^[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	UN38.3, FCC, UL1973, UL9540A

[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.