



RESIDENTIAL ESS SOLUTION

DEYE SPRING RW SERIES



Reliable

Built-in Intelligent BMS
Providing complete protection
Wide temperature range : -20°C to 55°C



Convenient

Battery module auto networking
(No DIP switch code) easy maintenance
Support Deye remotely monitoring and upgrade
Support Deye Inverters to form a stack all-in-one system



Safe & Smart

LFP Battery
Safety and long lifespan
High-energy density
Low Voltage safety connection



Flexible

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



High Performance

Maximum support 1C charge and 1.25C discharge
10 years standard warranty
IP65



Eco-Friendly

Use environmental protection materials
Non-toxic, pollution-free



Model		RW-F10.2-B	
Main Parameter			
Battery Chemistry		LiFePO ₄	
Built-in Circuit Breaker		125A 4P, 60Vdc	
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	Charge : 100 / Discharge : 100	
	Max.	Charge : 198 / Discharge : 240	
	Peak (2mins, 25°C)	300	
Other Parameter			
Recommend Depth of Discharge		90%	
Dimension (W × H × D)		23.6" × 32.7" × 7.9" (600 × 830 × 200mm, Without hanging board)	
Weight Approximate		235.9 lbs. (107kg)	
Master LED Indicator		LED (SOC : 20% ~ SOC100% and working state)	
IP Rating of Enclosure		NEMA 3R (IP65)	
Operating Temperature		Charge : 33°F ~ 131°F (1 ~ 55°C) / Discharge : -4°F ~ 131°F (-20°C ~ 55°C)	
Operating Temperature (with heating film)		Charge / Discharge : -4°F~131°F (-20°C ~ 55°C)	
External ambient temperature range		-4°F ~ 131°F (-20°C ~ 55°C, with heating film)	
Recommend Operating Temperature		59°F ~ 95°F (15°C ~ 35°C)	
Storage Temperature		32°F ~ 95°F (0 ~ 35°C)	
Humidity		5% ~ 95%	
Altitude		≤Max. 9,843 ft (3,000m)	
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, FCC, UL1973, UL9540A, UL9540	

[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.

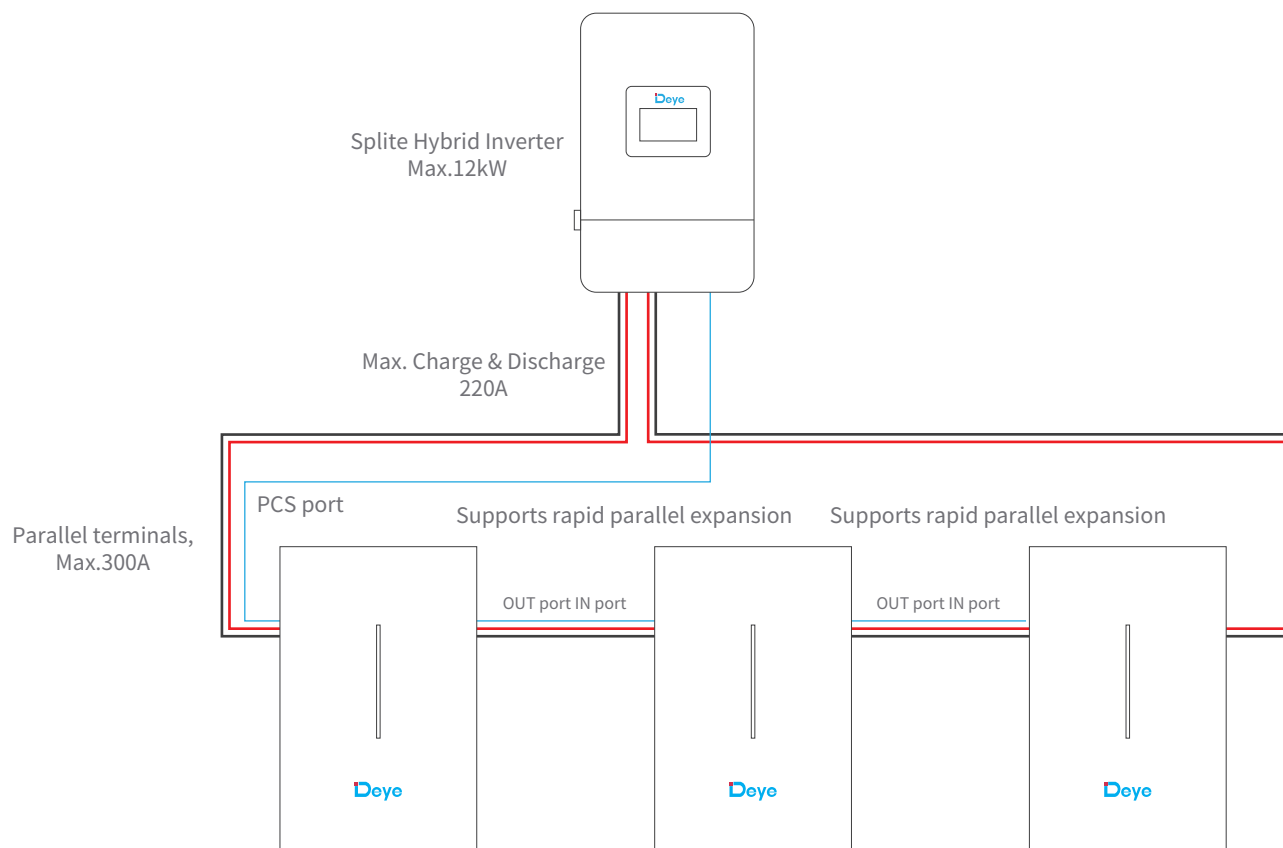
[3] Conditions apply, refer to Deye Warranty Letter.



Support 5/6/8kW, 10/12kW inverters to connect the battery, and 2 to 6 batteries can be connected in parallel.

1 hour solution	1 × RW-F10.2-B + 10kW Inverter
2 hours solution	2 × RW-F10.2-B + 10kW Inverter
3 hours solution	3 × RW-F10.2-B + 10kW Inverter
4 hours solution	4 × RW-F10.2-B + 10kW Inverter

Product Application&System Topology Reference



Product View



Left view



Front view



Right view



Top view



POWERING YOUR LIFE



www.deyeess.com / www.deyeinverter.com



Deye ESS / Deye New Energy