



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]	Charge : 100 / Discharge : 100
	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.

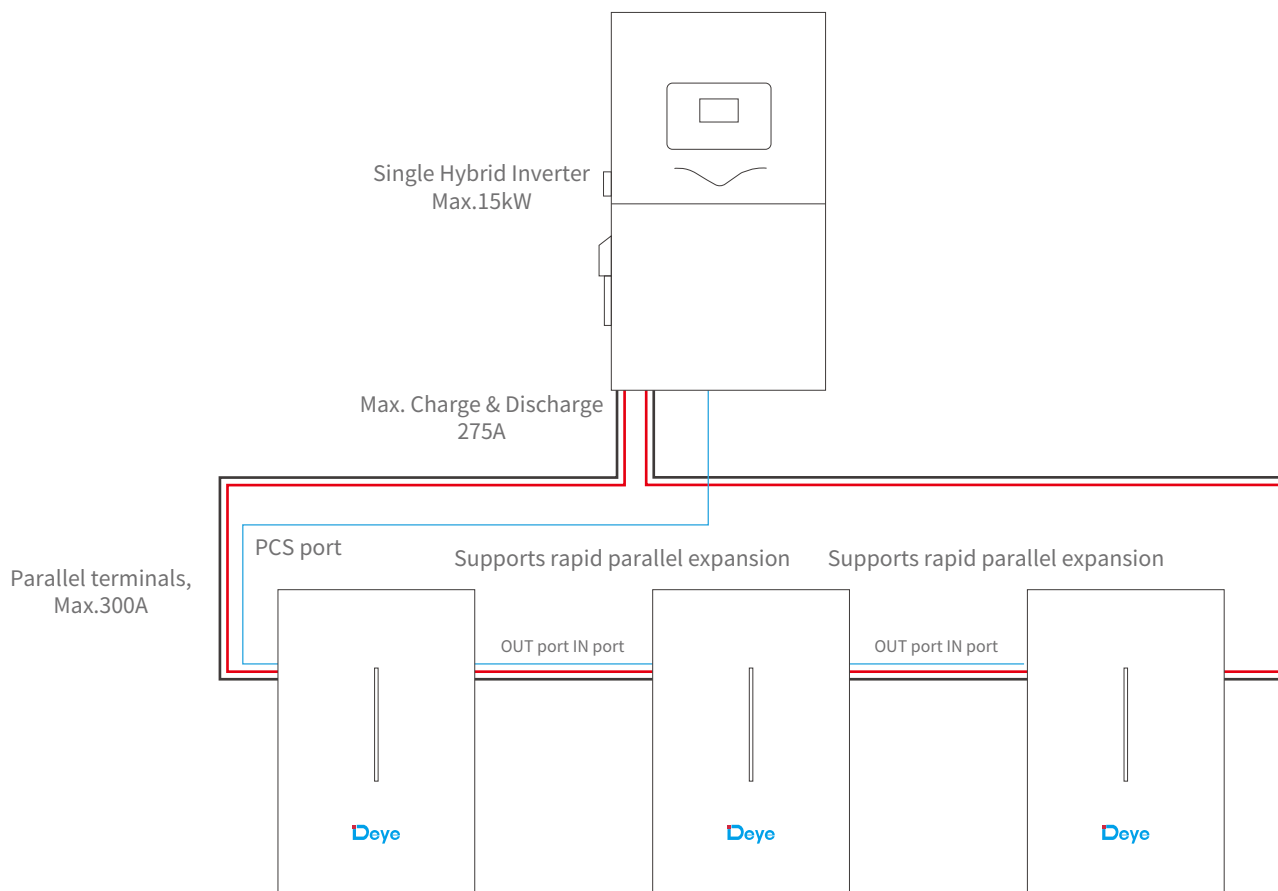
[2] The current is affected by temperature and SOC.

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

Support Sol-Ark 12kW, 15kW inverters to connect the battery, and 2 to 6 batteries can be connected in parallel.

1 hour solution	1×RW-F10.2-B+12kW Inverter	2×RW-F10.2-B+15kW Inverter
2 hours solution	2×RW-F10.2-B+12kW Inverter	3×RW-F10.2-B+15kW Inverter
3 hours solution	3×RW-F10.2-B+12kW Inverter	5×RW-F10.2-B+15kW Inverter
4 hours solution	4×RW-F10.2-B+12kW Inverter	6×RW-F10.2-B+15kW Inverter

Product Application&System Topology Reference



Product View



Left view



Front view



Right view



Top view



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