

RESIDENTIAL ESS SOLUTION

DEYE SPRING RW SERIES



Safe and Reliable

- LFP Battery with intelligent BMS for protection
Monitors voltage, current, and temperature



Easy Installation

- Wall-mounted and floor-mounted options



Long Service Life

- 1C/1.2C continuous charge/discharge
BMS balances cell charging to extend cycle life



Flexible Expansion

- Supports up to 32 units in parallel
Compatible with Deye inverters and multiple expansion methods

≥6000

Cycles

-20℃~55℃

Wide Temperature

70%

EOL

10 years

Waranty for long-term
peace of mind



Model RW-F10.2

Main Parameter

Battery Type	LiFePO ₄
Built-In Circuit Breaker	125A 4P, 60Vdc
Capacity (Ah)	200
Nominal Voltage (V)	51.2
Operating Voltage (V)	43.2 ~ 57.6
Rated 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 ¹	Recommend
Current (A)	Nominal
	Peak
Operating Temperature (°C)	Charge : 100 / Discharge : 100
Storage Temperature (°C)	Charge : 198 / Discharge : 240
Weight Approximate (kg)	Discharge : 300 (2mins, 25°C)
Dimension (W × H × D, mm)	Charge : 1 ~ 55°C / Discharge : -20°C ~ 55°C
Master LED Indicator	0°C ~ 35°C
Humidity	104
Altitude	600 × 760 × 200 (Without hanging board)
Cycle Life	SOC state (20% ~ 100%), work state (alarming, protecting)
IP Rating of Enclosure	5% ~ 95%
Installation Location	≤3000m
Recommend Depth of Discharge	≥6000 (25°C±2°C, 0.5C / 0.5C, 90%DOD, 70%EOL)
Communication Port	IP65
Warranty Period ²	Wall-Mounted, Floor-Mounted
Energy Throughput	90%
Certification ³	CAN2.0, RS485
	10 years
	32MWh (25°C, 0.5C / 0.5C, 70%EOL)
	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



Residential ESS Solutions

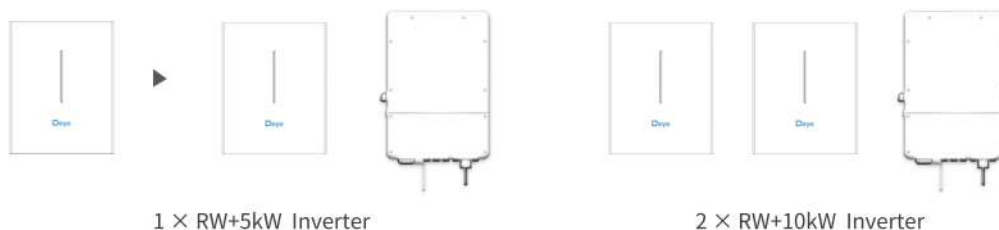
Typical configuration

Support 5kW, 12kW and up to 18kW inverters to connect the battery, and 1 to 3 batteries can be connected in parallel.

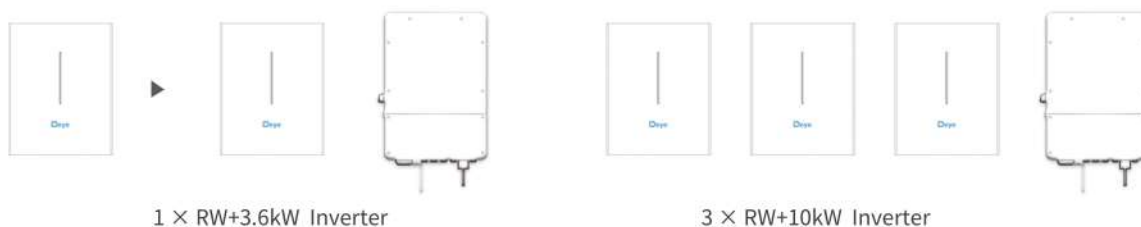
1 hour solution



2 hours solution



3 hours solution



Product Application & System Topology Reference

Main Application Scenarios

It is suitable for applications with high power, limited installation space, limited carrying capacity, and long cycle life.



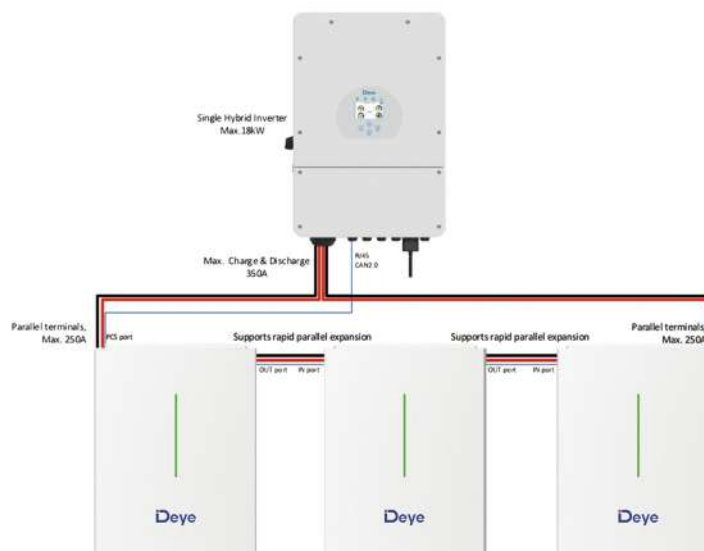
Left Side



Right Side



Front view





SCENARIO-BASED ENERGY MANAGEMENT SOLUTIONS

- Utilize energy in every household needs.
- Embrace effortless energy experience that's both eco-friendly and budget-friendly with our intelligent assistant.

SMARTEN-UP YOUR HOME ENERGY

- Real-time monitoring, with data information at a glance.
- Create scenario-based tasks that adapt to your daily routines.
- A smarter way to manage your electricity bills.

CONNECT, MONITOR, CONTROL

Seamlessly integrated with Deye devices for a smarter, more efficient energy experience.

- User-friendly interface demystifies complex settings.
- Clear menu hierarchy, key information at your finger tips.

