

# 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°C ~ 55°C

Wide Temperature

70%

EOL

10 years

Waranty for long-term peace of mind



## Model RW-F10.2

### Main Parameter

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

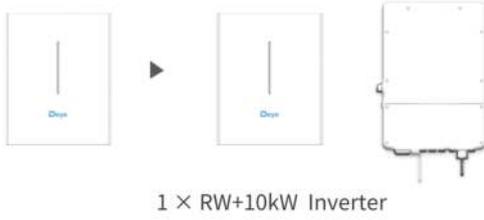


## Residential ESS Solutions

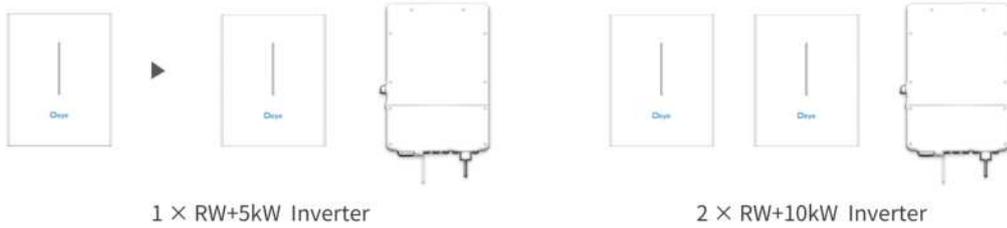
### Typical configuration

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

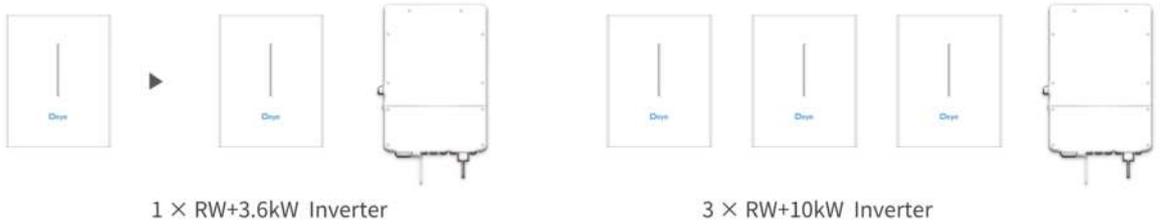
#### 1 hour solution



#### 2 hours solution



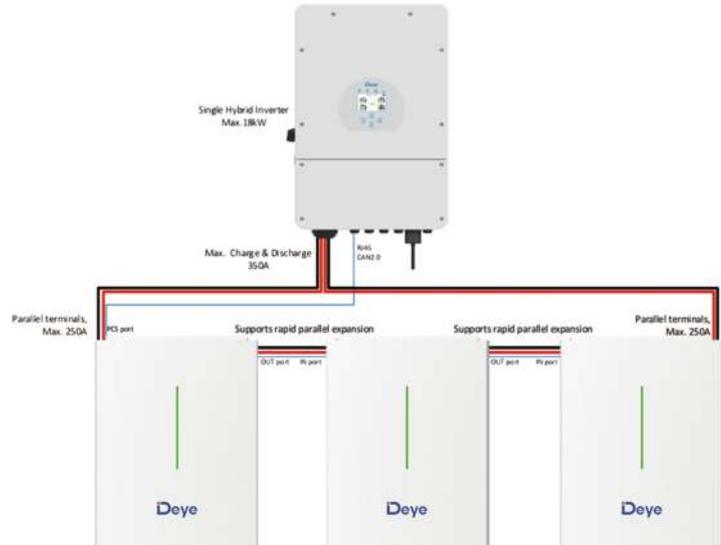
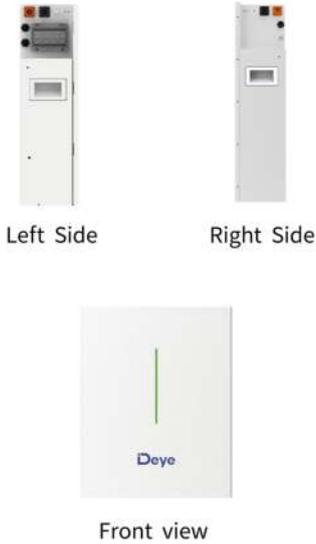
#### 3 hours solution



## 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.





## 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.

