RESIDENTIAL ESS SOLUTION

DEYE SPRING RW SERIES

Flexible
- Support Max. 32 units in parallel
- 10A current limit, compatible with anyinverter for charging/discharging
- Ideal for backup power and residential use

Reliable
- Support Max. 1C charge and discharge
- Peak discharge current of 2C 10s
- IP65 case, natural cooling
- Wide temp range : -20℃ to 55℃

Convenient
- Battery module auto networking (No DIP switchs)
- Support Deye remotely monitoring and upgrade

Safer & Smart
- LFP battery with long lifespan, high efficiency
- Built-in circuit breaker,intelligent BMS

⩾6000
Cycles

-20℃ to 55℃
Wide Temp

70%
EOL

IP65
Rated for indoor and outdoor use

Rack-Mounted Battery (LV)

Model		RW-L2.5A	RW-L5.1	RW-L10.2
Main Parameter				
Battery Chemistry		LiFePO$_4$		
Built-in Circuit Breaker		125A 1P, 60Vdc		125A 2P, 60Vdc
Capacity (Ah) [1]		100		200
Scalability		Max. 32 pcs in parallel		
Nominal Voltage (V)		25.6	51.2	
Operating Voltage (V)		22.4 ~ 28.8	44.8 ~ 57.6	
Nominal Energy (kWh) [1]		2.56	5.12	10.24
Usable Energy (kWh@90%DoD)[1]		2.3	4.61	9.22
Charge / Discharge Current (A) [2]	Max. Continuous	100 / 120		200 / 240
	Peak	200 / 200 (10 sec)		300 / 300 (10 sec)
Main Parameter				
Recommend Depth of Discharge		90%		
Dimension (W × H × D, mm) (Without hanging board)		350 × 680 × 160	420 × 680 × 160	745 × 745 × 170
Weight Approximate (kg)		32	50	100
Master LED Indicator		LED (SOC and working state)		
IP Rating of Enclosure		IP65		
Operating Temperature		Charge : 0 ~ 55°C / Discharge : -20°C ~ 55°C		
Recommend Operating Temperature		15°C ~ 35°C		
Storage Temperature		0 ~ 35°C		
Relative Humidity		95%		
Altitude		⩽2000m		
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[3]		4MWh	8MWh	16MWh
Certification		UN38.3, MSDS		

[1] Test conditions : 25°C±2°C, at beginning of life and calibration mode, 0.5C charge & 0.5C discharge,100% DOD.

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

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

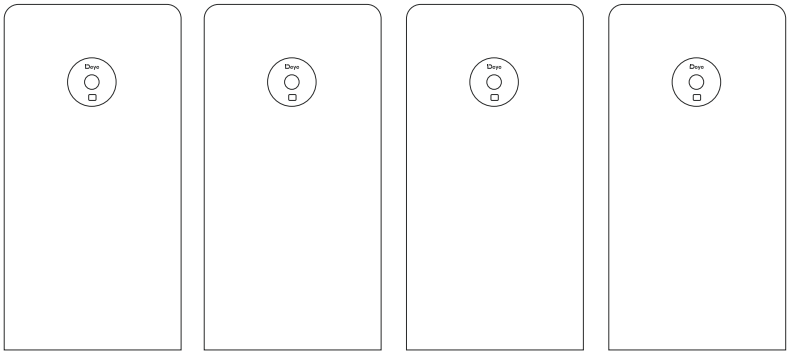
Typical Application Scenarios

Product Expansion

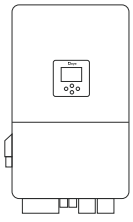
Battery backup time	RW-L2.5A			
Inverter	**1h**	**2h**	**3h**	**4h**
SUN-3K SUN SG04LP1 24EU	2 units	3 units	4 units	5 units
Battery backup time	**RW-L5.1**			
Inverter	**1h**	**2h**	**3h**	**4h**
SUN 5KW SG 04LP1	1 units	2 units	3 units	4 units
SUN 5KW SG 03LP1				
SUN 5KW SG 04LP3				
SUN 6KW SG 04LP1	2 units	3 units	4 units	5 units
SUN 6KW SG 03LP1				
SUN 6KW SG 05LP1				
SUN 8KW SG 02LP1	2 units	4 units	5 units	7 units
SUN 8KW SG 05LP3				
SUN 8KW SG 04LP3				
Battery backup time	**RW-L10.2**			
Inverter	**1h**	**2h**	**3h**	**4h**
SUN 8KW SG 02LP1	1 units	2 units	3 units	4 units
SUN 8KW SG 05LP3				
SUN 8KW SG 04LP3				
SUN 10KW SG 04LP3	1 units	2 units	3 units	4 units
SUN 10KW SG 02LP1				
SUN 12KW SG 04LP3	2 units	3 units	4 units	5 units
SUN 12KW SG 02LP1				
SUN 12KW SG 05LP3				
SUN 16KW SG 01LP1	2 units	4 units	5 units	7 units
SUN-15KSG05LP3	2 units	3 units	5 units	6 units
SUN-18KSG05LP3	2 units	4 units	6 units	8 units
SUN-20KSG05LP3	2 units	4 units	6 units	8 units

Typical Application Scenarios

RW-L10.2



SUN-20K-SGO5LP3-EU



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