

Spring Series
Residential ESS Solution

Wall-Mounted Battery(LV)



Support 3-20kW single-phase or three-phase inverters, meeting the application requirements of 1-4 hours



Safer&Smart

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



Convenient

- Automatic networking for battery modules (No DIP switches)
- Support remotely monitor and upgrade via Deye inverter



Reliable

- Support Max. 1C charge and discharge
- Peak discharge current of 2C for up to10s
- IP65 - rated case, natural cooling
- Wide temp range : -20°C to 55°C



Flexible

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

RW-L2.5A & RW-L5.1 & RW-L10.2(AS, AF, LATAM)

Technical Data

③

Main Parameters

Model	RW-L2.5A	RW-L5.1	RW-L10.2
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	Max. Continuous	100 / 120	
Current (A) ^[2]	Peak	200 / 200 (10 sec)	
		300 / 300 (10 sec)	

Other Parameters

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	10 years		
Energy Throughput ^[3]	4MWh	8MWh	16MWh
Certification	UN38.3, CE, CB		

[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.

*Wall-Mounted, Rack-Mounted, Floor-Mounted