

# RESIDENTIAL ESS SOLUTION

## DEYE SPRING RW SERIES



### Flexible

- Support Max. 32 units in parallel
- 10A current limit, compatible with any inverter 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°C to 55°C



### Convenient

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



### Safer & Smart

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

≥6000

Cycles

-20°C to 55°C

Wide Temp

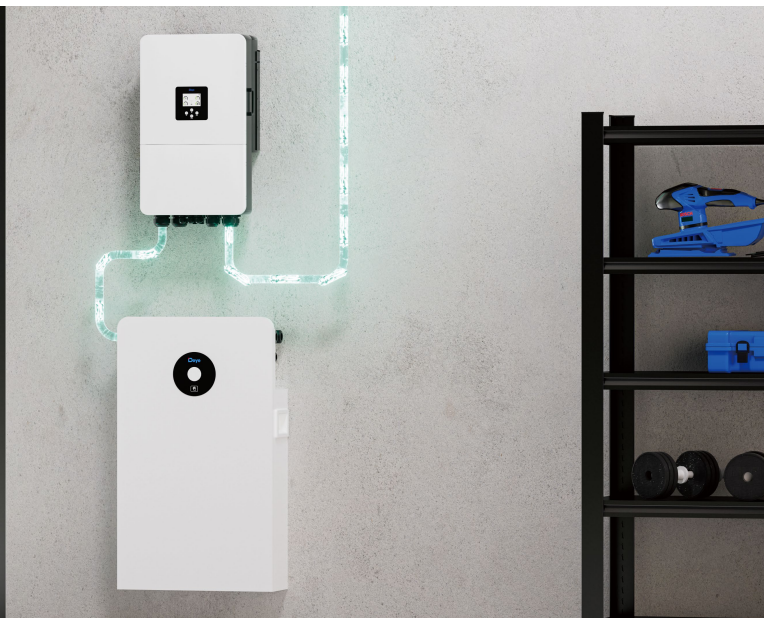
70%

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 <sub>4</sub>                             |                 |                      |
| Built-in Circuit Breaker                              | 125A 1P, 60Vdc                                  |                 | 125A 2P, 60Vdc       |
| Capacity ( Ah ) <sup>[1]</sup>                        | 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 ) <sup>[1]</sup>                 | 2.56                                            | 5.12            | 10.24                |
| Usable Energy (kWh@90%DoD) <sup>[1]</sup>             | 2.3                                             | 4.61            | 9.22                 |
| Charge / Discharge                                    | 100 / 120                                       |                 | 200 / 240            |
| Current ( A ) <sup>[2]</sup>                          | 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 <sup>[3]</sup>                        | 10 years                                        |                 |                      |
| Energy Throughput <sup>[3]</sup>                      | 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.

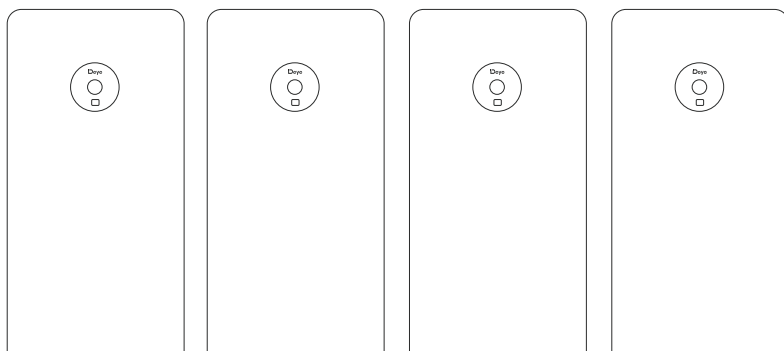
[3] Conditions apply, refer to Deye Warranty Letter.

# 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 |

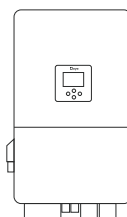
## Typical Application Scenarios

RW-L10.2



2 h

SUN-20K-SG05LP3-EU





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