

# RESIDENTIAL ESS SOLUTION

DEYE SPRING SE SERIES



## TO MAKE ESS BETTER



### Easy Operation & Maintenance

Battery module auto networking(No DIP switches)  
Support remotely monitoring and upgrade the firmware  
Support external power supply activation, prevents battery suspension  
Allow over-discharge direct recharge, easy to maintain



### Flexible Application

Easy to expand, Max. 64 units in parallel(327kWh/655kWh)  
Suited to residential and commercial  
applications for increasing the self-consumption ratio



### Safer

(LFP) Battery: Safe, long-lasting, high-efficiency. Built-in circuit breaker,  
Intelligent BMS. Eco-friendly materials, non-toxic, pollution-free module.



### Reliable

Support 0.5C charge and discharge,  
Wide temp range:-20°C to 55°C



Rack-Mounted Battery (LV)



| Model                            |                 | SE-G5.1                                                                         | SE-G10.2                                |
|----------------------------------|-----------------|---------------------------------------------------------------------------------|-----------------------------------------|
| Battery Chemistry                |                 | LiFePO <sub>4</sub>                                                             |                                         |
| Nominal Capacity <sup>[1]</sup>  |                 | 100 Ah                                                                          | 200 Ah                                  |
| Nominal Voltage                  |                 | 51.2V                                                                           |                                         |
| Operating Voltage                |                 | 44.8 V ~ 57.6 V                                                                 |                                         |
| Nominal Energy <sup>[1]</sup>    |                 | 5.12 kWh                                                                        | 10.24 kWh                               |
| Cell Configuration               |                 | 1P16S                                                                           | 2P16S                                   |
| Scalability <sup>[4]</sup>       |                 | Max. 64 pcs pack ( 327kWh ) in parallel                                         | Max. 64 pcs pack ( 655kWh ) in parallel |
| Charge Current <sup>[2]</sup>    | Max. Continuous | 50 A                                                                            | 100 A                                   |
|                                  | Peak            | 100 A (10 sec )                                                                 | 200 A(10 sec )                          |
| Discharge Current <sup>[2]</sup> | Max. Continuous | 50 A                                                                            | 100 A                                   |
|                                  | Peak            | 100 A (10 sec )                                                                 | 200 A(10 sec )                          |
| Other Parameter                  |                 |                                                                                 |                                         |
| Recommend Depth of Discharge     |                 | 80% DoD                                                                         |                                         |
| Dimension ( W × D × H, mm )      |                 | 440 × 540 × 133                                                                 | 710 × 540 × 133                         |
| Weight Approximate               |                 | 44 kg                                                                           | 85 kg                                   |
| Master LED Indicator             |                 | 5LED ( SOC : 20% ~ SOC100% ) , 3LED ( working, alarming, protecting )           |                                         |
| Communication Port               |                 | CAN2.0, RS485                                                                   |                                         |
| IP Rating of Enclosure           |                 | IP20                                                                            |                                         |
| Operating Temperature            |                 | Charge : 0 ~ 55℃, Discharge : -20℃ ~ 55℃                                        |                                         |
| Storage Temperature              |                 | 0 ~ 35℃                                                                         |                                         |
| Relative Humidity                |                 | 95%                                                                             |                                         |
| Altitude                         |                 | ≤2000 m                                                                         |                                         |
| Cycle Life                       |                 | ≥6000 ( 25℃±2℃, 0.2C / 0.2C, 80%DOD, 70%EOL )                                   |                                         |
| Warranty Period <sup>[3]</sup>   |                 | 5 years                                                                         |                                         |
| Installation                     |                 | Wall-Mounted, Floor-Mounted ( Stacked ) , Rack-Mounted ( cabinet depth ≥600mm ) |                                         |
| Certification                    |                 | UN38.3,MSDS                                                                     |                                         |

[1] Test conditions : 25℃±2℃, at beginning of life, 0.2C charge & 0.2C discharge,100% DOD.

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

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

[4] Max. 32 pcs without external CAN-Box.