

# RESIDENTIAL ESS SOLUTION

## DEYE SPRING SE SERIES



### Flexible

- ⊗ Modular design, easy to expand, Max. 64 units in parallel, Max. capacity of 327kWh
- ⊗ Suited to residential and commercial applications for increasing the self-consumption ratio



### Safer

- ⊗ Cobalt Free Lithium Iron Phosphate (LFP) Battery : Safety and long Lifespan, high efficiency and high power
- ⊗ density Intelligent BMS, providing complete protection



### Convenient

- ⊗ Battery module auto networking, easy maintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.



### Reliable

- ⊗ Support high discharge power
- ⊗ IP20, natural cooling
- ⊗ Wide temperature range : -20°C to 55°C



### Eco-Friendly

- ⊗ Use environmental protection materials, the whole module non-toxic, pollution-free

≥6000

Cycles

327kWh

Max. Capacity

70%

EOL

10 Years

Warranty

## Rack-Mounted Battery ( LV )

Model		SE-G5.1 Pro-B
<b>Main Parameter</b>		
Battery Chemistry		LiFePO <sub>4</sub>
Built-in Circuit Breaker		125A 2P, 60Vdc
Capacity ( Ah )		100
Scalability		Max. 64 pcs pack ( 327kWh ) in parallel ( Max. 32 pcs no external setup )
Nominal Voltage ( V )		51.2
Operating Voltage ( V )		43.2 ~ 57.6
Energy ( kWh )		5.12
Usable Energy ( kWh ) <sup>[1]</sup>		5.12
Charge / Discharge Current ( A ) <sup>[2]</sup>	Recommend	50
	Max	100
	Peak ( 2mins, 25°C )	150
<b>Other Parameter</b>		
Recommend Depth of Discharge		90%
Dimension ( W × H × D, mm )		440 × 133 × 540
Weight Approximate ( kg )		45
Master LED Indicator		5LED ( SOC : 20% ~ SOC100% ) , 3LED ( working, alarming, protecting )
IP Rating of Enclosure		IP20
Operating Temperature		Charge : 0~55°C / Discharge : -20°C~55°C
Storage Temperature		0°C ~ 35°C
Humidity		5% ~ 95%
Altitude		≤2000m
Cycle Life		≥6000 ( 25°C±2°C, 0.5C / 0.5C, 90%DOD, 70%EOL )
Installation		Wall-Mounted, Floor-Mounted, Rack-Mounted ( 19-inch standard cabinet, cabinet depth ≥600mm )
Communication Port		CAN2.0, RS485
Warranty Period <sup>[3]</sup>		10 years
Energy Throughput		16MWh@70%EOL
Certification		UN38.3, IEC62619, CE, UK, VDE 2510-50, CEI 0-21, FCC, UL1973, UL9540A

[1] DC Usable Energy, test conditions: 100% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

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

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

## Typical Configuration

Support 12kW, 15kW inverters to connect the battery, and 3 to 12 batteries can be connected in parallel.

1 hour solution	3xSE+12kW Inverter	3xSE+15kW Inverter
2 hours solution	5xSE+12kW Inverter	6xSE+15kW Inverter
3 hours solution	8xSE+12kW Inverter	9xSE+15kW Inverter
4 hours solution	10xSE+12kW Inverter	12xSE+15kW Inverter