



Residential ESS Solution

Deye Spring SE Series

Support 3/5/6/8kW single-phase or three-phase inverters, meeting the application requirements of 1-4 hours



Eco-Friendly

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



Convenient

- Battery module auto networking, easy maintenance
- Support remote monitoring and upgrade
- Support USB drive upgrade the firmware



Reliable

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



Safer

- Cobalt Free Lithium Iron Phosphate LFP Battery: safety and long lifespan, high efficiency and high power
- Intelligent BMS, providing complete protection



Flexible

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



Space-Smart

- Ultra-Thin, Super-Thin, and Modular design available, suitable for diverse installation scenarios and space requirements

Rack-Mounted Battery (LV)

Model	SE-G5.1 Pro-B	
Main Parameter		
Battery Chemistry	LiFePO4	
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) ^[1]	5.12	
Charge / Discharge Current (A) ^[2]	Recommend	50
	Max	100
	Peak (2mins, 25°C)	150
Other Parameter		
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	10 years	
Energy Throughput	16MWh@70%EOL	
Certification	UN38.3, IEC62619, CE, CB, UK, VDE 2510-50, CEI 0-21, FCC, UL1973, UL9540, 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.

Typical Configuration

Model	SE-G5.1-Pro-B-Ultra	SE-G5.1-Pro-B-Cabinet	SE-G5.1-Pro-B-BC
IP Rating of Enclo	IP65		IP54
Bearing Capacity	≤300kg		≤250kg
Weight Approximate	75kg		51kg
Dimension (W/D/H, mm)	1085 × 140 × 1450mm	1085 × 320 × 950mm	575 × 610 × 1130mm
Altitude		≤3000m	
Recommended Operating Temperature		-20°C ~ +55°C	
Reference standard		UL2416, UL60950-1, EIA-310-E	
Warranty		10 Years	
Color		White (RAL9016)	
Material		SGCC	
Applicable to the Product	SE-G5.1Pro-B, SE-G5.3, SE-G5.1 or other 3U batteries		