

# SE-G5.1 Pro & SE-G5.3



- Safer**  
 Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan and high-energy density. Low Voltage safety connection.
- High Performance**  
 Support 1C/1C continual charge and discharge. 6000 cycles at 90% DOD, and 10 years standard warranty.
- Reliable**  
 Built-in intelligent BMS, providing complete protection. Natural cooling, IP20, wide temperature range: -20°C to 55°C.
- Flexible**  
 Modular design, easy to expand, Max. 64 units in parallel (support batteries in parallel with different SOC, auto balance). Suited to residential and commercial applications for increasing the self-consumption ratio.
- Convenient**  
 Battery module auto networking ( No need to set DIP switches ), easy maintenance, support Deye remotely monitoring and upgrade, support USB drive upgrade the firmware.
- Eco-Friendly**  
 Use environmental protection materials, the whole module non-toxic, pollution-free.
- Multiple Mounting Methods**  
 Standard 19 inch 3U design, support rack mounting, floor-mounted and wall-mounted with wall bracket, saving installation space.

## Technical Data

Model	SE-G5.1 Pro	SE-G5.3
<b>Main Parameter</b>		
Battery Chemistry	LiFePO <sub>4</sub>	
Capacity (Ah)	100	104
Scalability	Max. 64 pcs pack in parallel (Max. 32 pcs no external setup)	
Nominal Voltage (V)	51.2	
Operating Voltage(V)	43.2~57.6	
Energy(kWh)	5.12	5.32
Usable Energy(kWh) <sup>[1]</sup>	4.6	4.79
Charge/Discharge Current (A) <sup>[2]</sup>	Recommend	50
	Max	100
	Peak	150 (2mins, 25°C)
<b>Other Parameter</b>		
Recommend Depth of Discharge	90%	
Dimension (W/H/D, mm)	440×133×540	440×133×560
Weight Approximate (kg)	45	44
Master LED Indicator	5LED(SOC:20%~SOC100%), 3LED (working, alarming, protecting)	
IP Rating of Enclosure	IP20	
Operating Temperature	Charge:0~ 55°C (Optional heating) / 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)	≥6000(25°C±2°C, 0.3C/0.3C, 90%DOD, 70%EOL)
Installation	19-inch standard rack (depth ≥600mm), Floor -Mounted, Wall -Mounted	
Communication Port	CAN2.0, RS485	
Warranty Period <sup>[3]</sup>	10 years	
Energy Throughput <sup>[3]</sup>	16MWh@70%EOL	
Certification	UN38.3, IEC62619, CE,UK, VDE2510-50, CEI 0-21, FCC, UL1973, UL9540A	UN38.3, CE, IEC62619

[1] DC Usable Energy, test conditions: 90% DOD, 0.3C/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] The warranty is due whichever reached first of warranty period or energy throughput.