

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
Main Parameter			
Battery Chemistry		LiFePO 4	
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) ^[1]		4.6	4.79
Charge/Discharge Current (A) ^[2]	Recommend	50	
	Max	100	
	Peak	150 (2mins, 25°C)	
Other Parameter			
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 ^[3]		10 years	5 years
Energy Throughput ^[3]		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.