

SE-G5.1 Pro-B



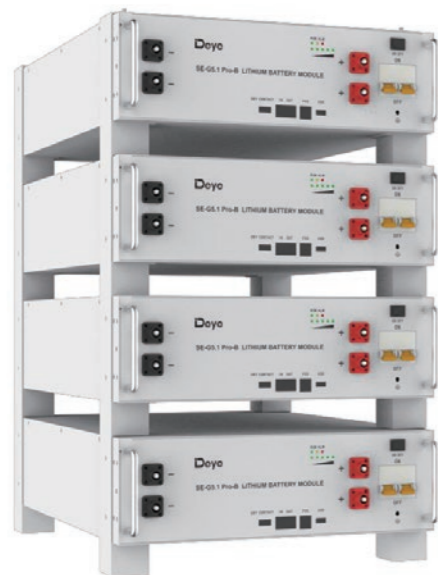
Technical Data

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 in parallel (Max. 32 pcs no external setup)	
Nominal Voltage (V)	51.2	
Operating Voltage (V)	43.2~57.6	
Nominal Energy (kWh)	5.12	
Usable Energy (kWh) ^[1]	4.6	
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	
Weight Approximate (kg)	45	
Master LED Indicator	5LED (SOC:20%~SOC100%), 3LED (working, alarming, protecting)	
IP Rating of Enclosure	IP20	
Operating Temperature	Charge: 0°C~55°C (Optional heating: -20°C~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 ^[3]	10 years	
Energy Throughput	16MWh@70%EOL	
Certification	UN38.3, IEC62619, CE, UK, VDE2510-50, CEI 0-21, FCC, UL1973, UL9540A	

[1] DC Usable Energy, test conditions: 90% 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.



- Safer**
 Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high power density. Intelligent BMS, providing complete protection.
- Reliable**
 Support high discharge power. IP20, natural cooling, wide temperature range: -20°C to 55°C.
- 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.
- Convenient**
 Battery module auto networking, easy maintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.
- Eco-Friendly**
 Use environmental protection materials, the whole module non-toxic, pollution-free.
- Three Mounting Methods**
 19inch Standard design, support rack-mounted, wall-mounted, and floor-mounted, saving installation space.