SE-G5.1 Pro-B

- **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**
  19 inch Standard design, support rack-mounted, wall-mounted, and floor-mounted, saving installation space.

Technical Data

Model		SE-G5.1 Pro-B
Main Parameter		
Battery Chemistry		LiFePO4
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
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:0~55°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)
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, 0.3C/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] Conditions apply, refer to Deye Warranty Letter.