

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 5 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-G5.3
Main Parameter		
Battery Chemistry		LiFePO4
Capacity (Ah)		104
Scalability		Max. 64 pcs pack (340kWh) in parallel (Max. 32 pcs no external setup)
Nominal Voltage (V)		51.2
Operating Voltage (V)		43.2~57.6
Energy(kWh)		5.32
Usable Energy (kWh) ^[1]		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*560
Weight Approximate (kg)		44
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) / Discharge: -20°C~55°C
Storage Temperature		0°C~35°C
Humidity		5%~95%
Altitude		≤2000m
Cycle Life		≥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]		5 years
Energy Throughput ^[3]		16MWh@70%EOL
Certification		CE, IEC62619, UN38.3

[1] DC Usable Energy, test conditions: 90% DOD, 0.3C 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.