



- Convenient**  
Quick installation, standard of 19-inch embedded designed module is comfortable for installation and maintenance.
- Safe And Reliable**  
Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.
- Intelligent BMS**  
It has protection functions including over-discharge, over-charge, overcurrent and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.
- Eco-friendly**  
The whole module is non-toxic, non-polluting and environmentally friendly.
- Flexible Configuration**  
Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade (optional), remote upgrade (Compatible with Deye inverter).
- Wide Temperature**  
Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

Technical Data

Model		BOS-G									
Main Parameter											
Cell Chemistry		LiFePO4									
Module Energy (kWh)		5.12									
Module Nominal Voltage (V)		51.2									
Module Capacity (Ah)		100									
Battery Module Number		BOS-G15	BOS-G20	BOS-G25	BOS-G30	BOS-G35	BOS-G40	BOS-G45	BOS-G50	BOS-G55	BOS-G60
Battery Module Qty in series. (Optional)		3	4	5	6	7	8	9	10	11	12
System Nominal Voltage (V)		153.6	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4
System Operating voltage (V)		124.8	166.4	208	249.6	291.2	332.8	374.4	416	457.6	499.2
		~	~	~	~	~	~	~	~	~	~
		175.2	233.6	292	350.4	408.8	467.2	525.6	584	642.4	700
System Energy (kWh)		15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44
System Usable Energy (kWh) <sup>[1]</sup>		13.82	18.43	23.04	27.64	32.25	36.86	41.47	46.08	50.68	55.29
Rated DC Power (kWh)		15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44
Charge/Discharge Current (A) <sup>[2]</sup>	Recommend	50									
	Max	100									
	Peak Discharge	125 (2mins, 25°C)									
Working Temperature (°C)		Charge: 0°C~55°C / Discharge: -20°C~55°C									
Status Indicator		Yellow: Battery High Voltage Power On Red: Battery System Alarm									
Communication Port		CAN2.0 / RS485									
Humidity		5~85%RH									
Altitude		≤2000m									
IP Rating of Enclosure		IP20									
Dimension (W/D/H, mm)		530*602*1629						530*602*2219			
Weight Approximate (kg)		420						610			
Installation Location		Rack Mounting									
Storage Temperature (°C)		0°C~35°C									
Recommend Depth of Discharge		90%									
Cycle Life		25°C±2°C, 0.5C/0.5C, EOL70%≥6000									
Warranty <sup>[3]</sup>		10 years									
Certification		CE, IEC62619, VDE2510-50, UL1973, UL9540A, UN38.3									

[1] DC Usable Energy, test conditions: 90% DOD, 0.2C 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 life cycle power.  
[4] Made in China.