

BOS-G



- 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 ~ 175.2	166.4 ~ 233.6	208 ~ 292	249.6 ~ 350.4	291.2 ~ 408.8	332.8 ~ 467.2	374.4 ~ 525.6	416 ~ 584	457.6 ~ 642.4	499.2 ~ 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) ^[1]	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) ^[2]	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 ^[3]	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.