

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, over-current 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 (kW)	5.12		
Module Nominal Voltage (V)	51.2		
Module Capacity (Ah)	100		
Battery Module Qty in series. (Optional)	4 (Min)	8 (Standard US Cluster)	12 (Standard EU Cluster)
System Nominal Voltage (V)	204.8	409.6	614.4
System Operating voltage (V)	180~230	359~460	537.6~691.2
System Energy (kWh)	20.48	40.96	61.44
System Usable Energy (kWh)	18.5	36.86	55.29
Charge/Discharge Current (A)	Recommend	50	
	Max	100	
	Peak (2 mins, 25°C)	125	
Working Temperature (°C)	Charge: 0~55/Discharge: -20~55		
Status Indicator	Yellow: Battery High Voltage Power On Red: Battery System Alarm		
Communication Port	CAN2.0/RS485		
Humidity	5~85%RH		
Altitude	≤2000 m		
IP Rating of Enclosure	IP20		
Dimension (W/D/H,mm)	540*590*1650		540*590*2250
Weight Approximate (kg)	242	410	430
Installation Location	Rack Mounting		
Storage Temperature (°C)	0~35		
Recommend Depth of Discharge	90%		
Cycle Life (Charge/Discharge)	25±2°C, 0.5C/0.5C, EOL70%≥6000		
Warranty	10 years		
Certification	CE/IEC62619 / VDE2510-50 / UL1973 / UL9540A / UN38.3		

[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] The warranty is due whichever reached first of warranty period or life cycle power.