

# 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 LiFePO<sub>4</sub> 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 up grade(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-GX(X=3,4,5,6,7,8,9,10,11,12)									
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) <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	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44	
Charge/Discharge <sup>2</sup> Current (A)	Recommend	50									
	Nominal	100									
	Peak Discharge (2 mins, 25℃)	125									
Working Temperature (℃)		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		≤2000m									
IP Rating of Enclosure		IP20									
Dimension (W/D/H,mm)		530*602*1599					530*602*2187				
Weight Approximate (kg)		408					594				
Installation Location		Rack Mounting									
Storage Temperature (℃)		0~35									
Recommend Depth of Discharge		90%									
Cycle Life		25±2℃,0.5C/0.5C, EOL70%≥6000									
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.