

BOS-G PRO



- 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 PRO			
Main Parameter					
Cell Chemistry	LiFePO4				
Module Energy (kWh)	5.12				
Module Nominal Voltage (V)	51.2				
Module Capacity (Ah)	100				
Battery Module Number	BOS-G25 PRO	BOS-G40 PRO	BOS-G60 PRO	BOS-G85 PRO	
Battery Module Qty in series. (Optional)	5 (Min)	8	12	17 (Max)	
System Nominal Voltage (V)	256	409.6	614.4	870.4	
System Operating voltage (V)	220~292	352~467.2	528~700.8	748~992.8	
System Energy (kWh)	25.6	40.96	61.44	87.04	
System Usable Energy (kWh) ^[1]	23.04	36.86	55.3	78.33	
Rated DC Power (kWh)	25.6	40.96	55.3	87.04	
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	≤3500m				
IP Rating of Enclosure	IP20				
Dimension (W/D/H, mm)	530*602*1629		530*602*2219		1060*602*1629
Weight Approximate (kg)	285	420	610	866	
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, 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 life cycle power.

[4] Made in China.