

# BOS-G60L



## ◆ Convenient

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance. Support USB upgrade, wifi upgrade(optional), remote up grade(Compatible with Sol-Ark inverter).

## ◆ 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.

## ◆ Wide temperature

Working temperature range is from  $-20^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ , with excellent discharge performance and cycle life.

# Technical Data

Model		BOS-G60L
<b>Main Parameter</b>		
Cell Chemistry	LiFePO4	
Module Energy (kWh)	5.12	
Module Nominal Voltage (V)	51.2	
Module Capacity (Ah)	100	
Battery Module Qty In Series (Optional)	6	
System Nominal Voltage (V)	307.2	
System Operating Voltage (V)	240~350.4	
System Energy (kWh)	61.44	
System Usable Energy (kWh) <sup>1</sup>	55.29	
Charge/Discharge <sup>2</sup> Current (A)	Recommend	100
	Nominal	100
	Peak Discharge (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	≤2000m	
IP Rating of Enclosure	IP20	
Dimension (W/D/H,mm)	589*590*2240	
Weight Approximate (kg)	596	
Installation Location	Rack Mounting	
Storage Temperature (°C)	0~35	
Recommend Depth of Discharge	90%	
Cycle Life	25±2°C,0.5C/0.5C, EOL70%≥6000	
Warranty <sup>3</sup>	10 years	
Certification	UL1973 /UL9540A/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.

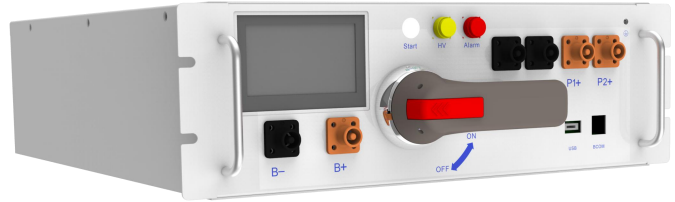
3. The warranty is due whichever reached first of warranty period or life cycle power.

# System Components

Model	Description
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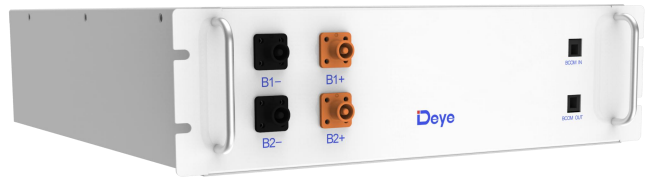
BOS-G-PDU-NA High Voltage Battery cluster control box conforming to North American Standard

Operating Voltage	120~750Vdc
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Operating Temperature Range	-20~65°C
Ingress Protection	IP20
Dimension (W/D/H)	440*570*150mm
Weight Approximate	17kg



BOS-G-Pack5.1-D 5.12 kwh battery module

Battery Type	LiFePO4(LFP)
Nominal Voltage	51.2Vdc
Rated Capacity	100Ah
Rated Energy	5.12kWh
Nominal Charge/Discharge Current	100A
Peak.Discharge Current	125A
Charge Temperature	0~55°C
Discharge Temperature	-20°C~55°C
Storage Temperature	0°C~35°C
Ingress Protection	IP20
Dimension (W/D/H)	440*570*133mm
Weight Approximate	44kg



3U-HCabinet(Optional) Standard 19inch rack can install 12 pcs batteries and 1 pcs High Voltage Battery cluster control box  
 Dimension (W/D/H) 530\*660\*2286mm  
 Weight Approximate 80kg

