

# 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.

**Deye**

Stock Code: 605117.SH

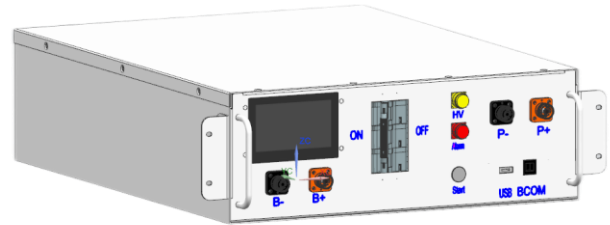
Model		B05-G		
Main Parameter				
Cell Chemistry	LiFePO4			
Module Energy(kWh)	5.12			
Module Nominal Voltage (V)	51.2			
Module Capacity(Ah)	100			
Battery Module Qty in series. (Optional)	4 (Min)	8 (Standard US Cluster)	12 (Standard EU Cluster)	
System Nominal Voltage (V)	204.8	409.6	614.4	
System Operating Voltage (V)	180~230	359~460	538~691	
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: 0~50/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)	580*590*1615		580*590*2200	
Weight Approximate (kg)	258	434	628	
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	10 years			
Certification	CE/IEC62619/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.

Model	Description
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HVB750V/100A-EU	High Voltage Battery cluster control box conforming to European or British Standards
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Operating Voltage	120 ~ 750Vdc
Nomina Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
DC Input Rating	12±2%/4.15A
Operating Temperature Range	-20~55°C
Ingress Protection	IP20
Dimension (W/D/H)	440*565*150mm
Weight Approximate	15.5kg



HVB750V/100A-US	High Voltage Battery cluster control box conforming to North American Standard
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Operating Voltage	120 ~ 750Vdc
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
DC Input Rating	12±2%/4.15A
Operating Temperature Range	-20~55°C
Ingress Protection	IP20
Dimension (W/D/H)	440*565*150mm
Weight Approximate	17kg



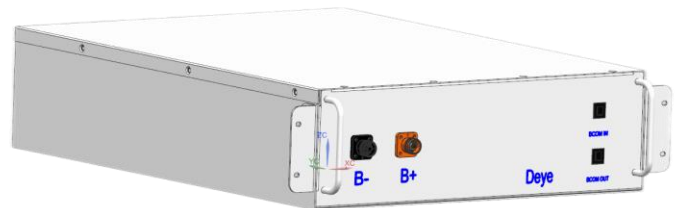
High voltage box Standard configuration:

- ① 120 ohm terminal resistance
- ② 140mm communication cable
- ③ 220mm power cable
- ④ 1.5m power cable (US Version)  
2.1m power cable (EU Version)



BOS-GM5.1	5.12 kwh battery module
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Battery Type	LiFePO4(LFP)
Nominal Voltage	51.2Vdc
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
Charge Temperature	0~50°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



Battery module Standard configuration:

- ① 110mm communication cable
- ② 200mm power cable



EPCable5.0(Optional)	Standard 5-meter power cable connected to the positive pole of the external PCS
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1000V/4AWG cable



ENCable5.0(Optional)	Standard 5-meter power cable connected to the negative pole of the external PCS
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1000V/4AWG cable



Model	Description
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EPWR Cable5.0(Optional)	Standard 5-meter cable connected to external 12VDC power supply
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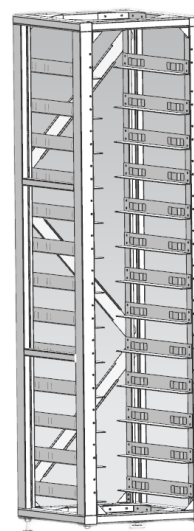


ECOM Cable5.0(Optional)	Standard 5-meter communication cable connected to the external device
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3U-HRACK(Optional)	Standard 19inch rack, caninstall 12 pcs batteries and 1 pcs High Voltage Battery cluster control box
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Dimension (W/D/H) Weight Approximate	580*590*2200mm 85kg
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3U-LRACK(Optional)	Standard 19inch rack, caninstall 8 pcs batteries and 1 pcs High Voltage Battery cluster control box
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Dimension (W/D/H) Weight Approximate	580*590*1615mm 65kg
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