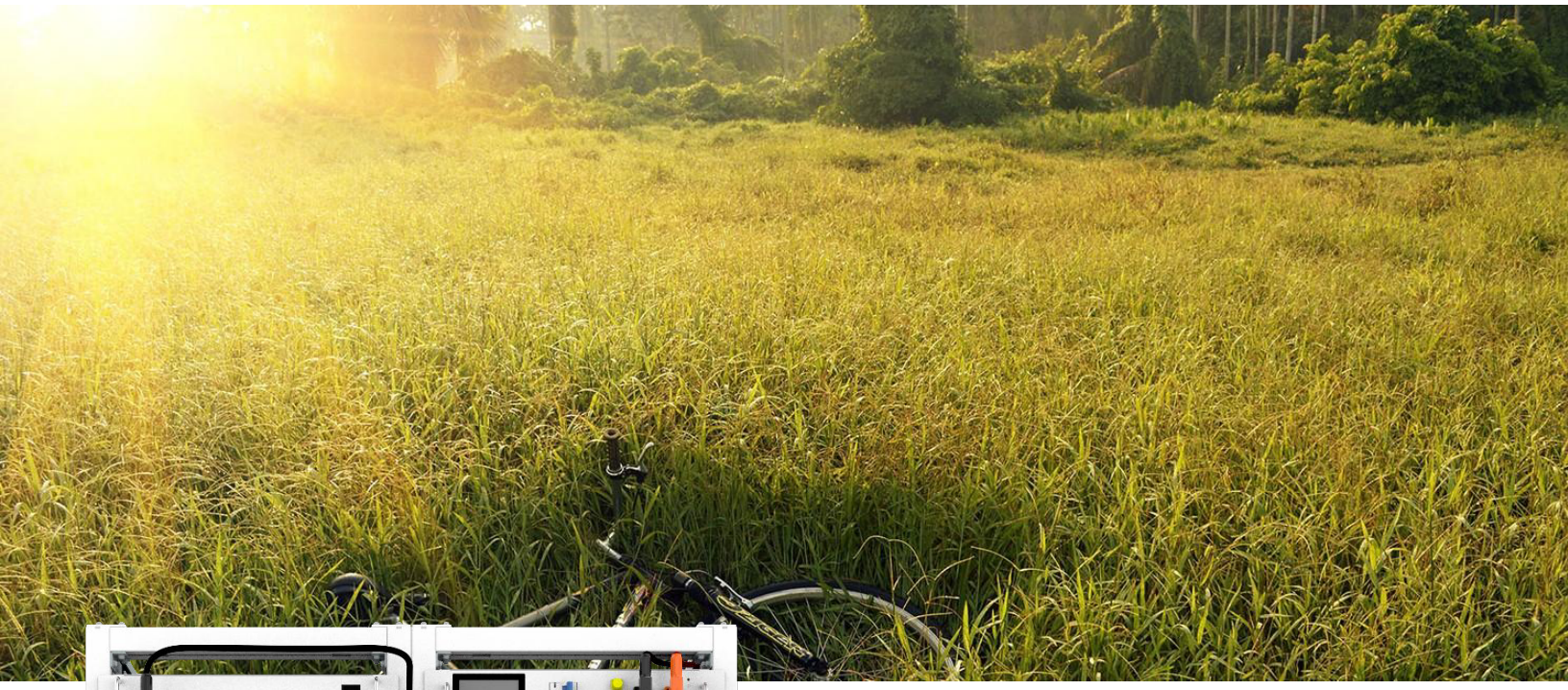
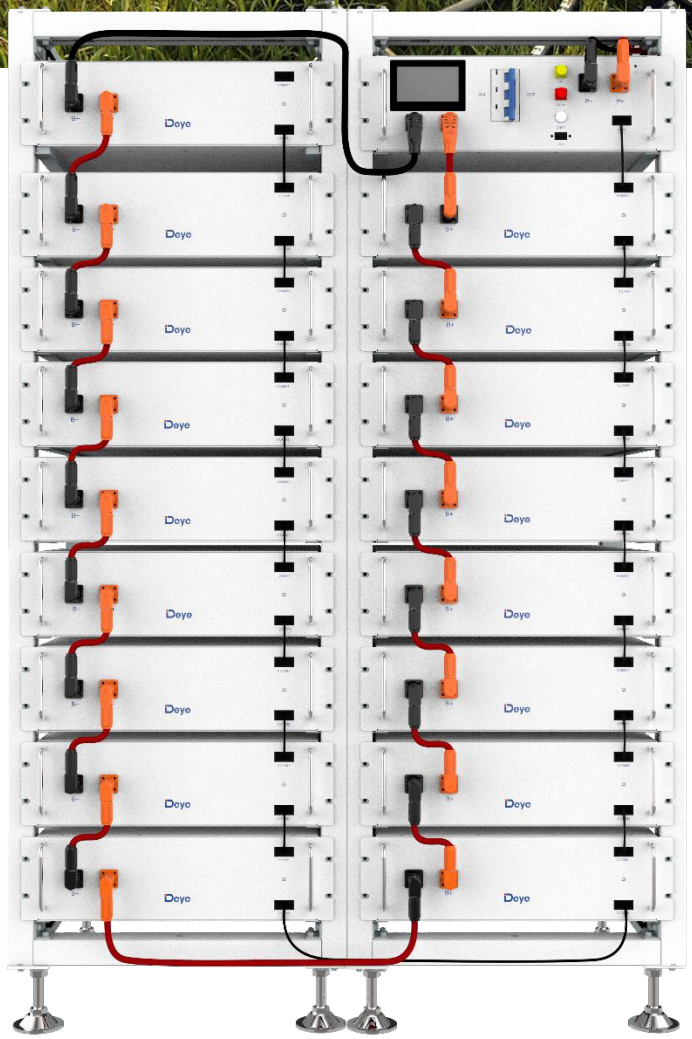
BOS-G PRO





- **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, 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

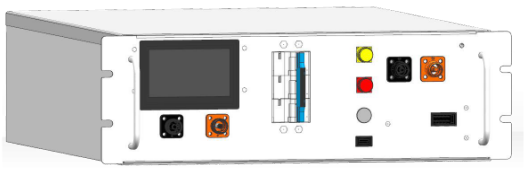
Model		BOS-G PRO			
Main Parameter					
Cell Chemistry		$LiFePO_4$			
Module Energy (kWh)		5.12			
Module Nominal Voltage (V)		51.2			
Module Capacity (Ah)		100			
Battery Module Number		BOS-G25 PRO	BOS-G40 PRO	BOS-G60 PRO	BOS-G85 PRO
Battery Module Qty In Series (Optional)		5（Min）	8	12	17（Max）
System 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		25.6	40.96	55.3	87.04
Charge/Discharge Current (A) [2]	Recommend	50			
	Nominal	100			
	Peak Discharge (2 mins, 25℃)	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		≤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)		0~35			
Recommend Depth of Discharge		90%			
Cycle Life		25±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.

System Components

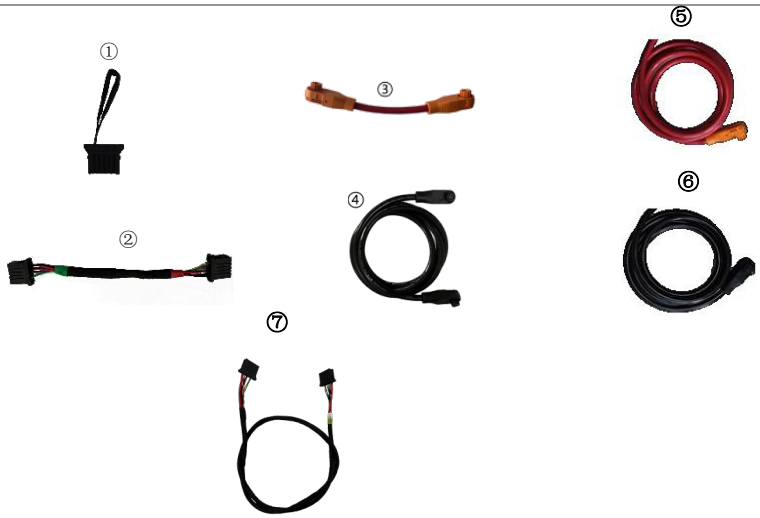
Model	Description
BOS-G-PDU-2	High Voltage Battery cluster control box conforming to European or British Standards

Operating Voltage	200～1000Vdc
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	120A
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	19kg



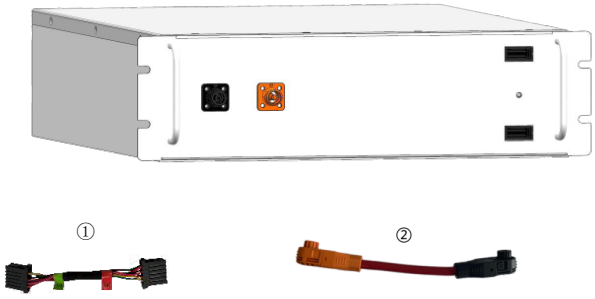
High voltage box Standard configuration：

① 120 ohm terminal resistance
② 250mm communication cable
③ 200mm power cable
④2.1m power cable
⑤EPCable2.0
(Standard 2-meter power cable connected to the positive pole of the external PCS)
⑥ENCable2.0
（Standard 2-meter power cable connected to the negative pole of the external PCS）
⑦1000mm communication cable between two battery racks
⑧1000mm power cable between the two battery racks



BOS-G-PACK5.1	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	120A
Charge Temperature	0~55°C
Discharge Temperature	-20℃～55°C
Storage Temperature	0℃～35°C
Ingress Protection	IP20
Dimension (W/D/H)	440*570*133mm
Weight Approximate	45kg



Battery module Standard configuration：

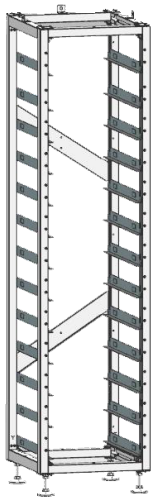
① 160mm
② 200mm power cable

System Components

Model	Description
ECOM Cable2.0(Optional)	Standard 2-meter commumication cable connected to the external device



3U-HRACK(Optional)	Standard 19inch rack, caninstall 12 pcs batteries and 1 pcs High Voltage Battery cluster control box
Dimension (W/D/H)	530*602*2219mm
Weight Approximate	51kg



3U-LRACK(Optional)	Standard 19inch rack, caninstall 8 pcs batteries and 1 pcs High Voltage Battery cluster control box
Dimension (W/D/H)	530*602*1629mm
Weight Approximate	41kg

