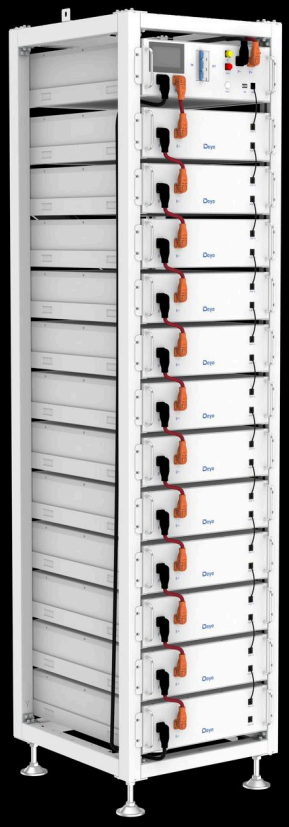
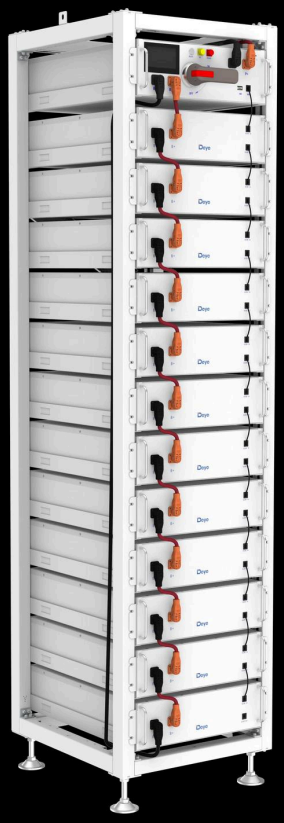
BOS-G









- **Convenient**

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.

- **Safe and reliable**

Cathode material is made from 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**

non-toxic, non-polluting and environmentally friendly.

guration

dules can be in parallel for expanding capacity and power.
e, wifi upgrade(optional), remote up grade(Compatible with

ature

re range is from -20°C to 55°C, with excellent discharge
e 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) [1]	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 [2] Current (A)	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	≤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 (°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/ UL1973 /UL9540A/UN38.3									

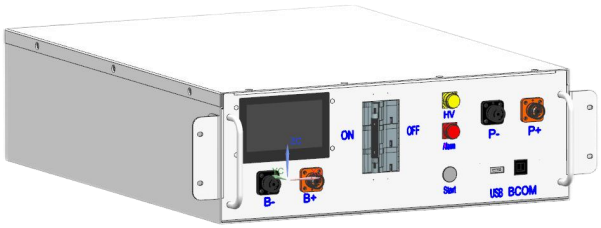
1. DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
2. The current is affected by temperature and SOC.
3. The warranty is due whichever reached first of warranty period or life cycle power.
4. Made in China.

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NO. 18TH ZHENGLONG ROAD LONGHSAN CIXI NINGBO ZHEJAING 315311 P.R.CHINA
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System Components

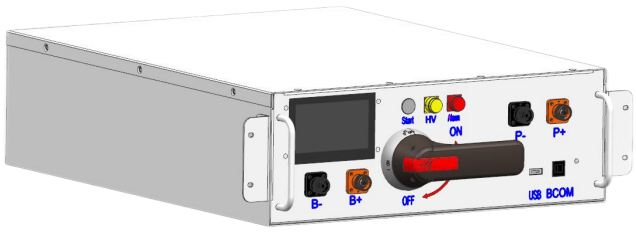
Model	Description
HVB750V/100A-EU	High Voltage Battery cluster control box conforming to European or British Standards

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	15.5kg



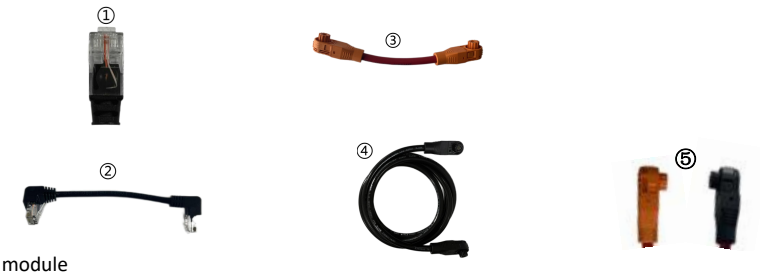
HVB750V/100A-US	High Voltage Battery cluster control box conforming to North American Standard

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



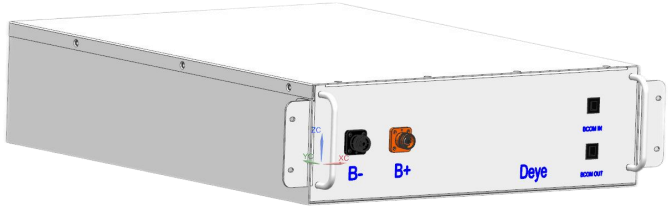
High voltage box Standard configuration：

① 120 ohm terminal resistance
② 140mm communication cable
③ 220mm power cable
④1.5m power cable（US Version）
2.1m power cable（EU Version）
⑤Power plug



BOS-GM5.1	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	125A
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	44kg



Battery module Standard configuration：

①110mm communication cable
② 200mm power cable



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

1000V/4AWG cable



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

1000V/4AWG cable



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System Components

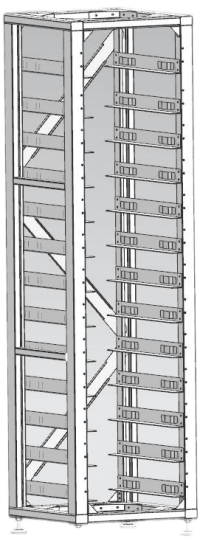
Model	Description
EPWR Cable5.0(Optional)	Standard 5-meter cable connected to external 12VDC power supply



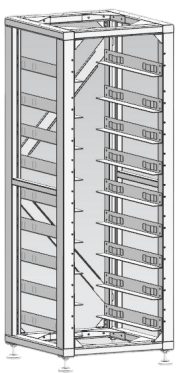
ECOM Cable5.0(Optional)	Standard 5-meter commumication cable connected to the external device



3U-HRACK(Optional)	Standard 19inch rack, caninstall 12 pcs batteries and 1 pcs High Voltage Battery cluster control box
Dimension (W/D/H)	589*590*2240mm
Weight Approximate	85kg



3U-LRACK(Optional)	Standard 19inch rack, caninstall 8 pcs batteries and 1 pcs High Voltage Battery cluster control box
Dimension (W/D/H)	589*590*1640mm
Weight Approximate	65kg



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