

# GB-L



- ◆ **Structural safety**

Meet high seismic grade zone 4.

- ◆ **High-voltage stack**

Modules are connected in series without cable connection, and high-voltage platform improves system efficiency.

- ◆ **Thermal management**

Temperature detection of key parts, cell, power plug-in, etc.

- ◆ **Wide temperature operation**

The heating function is optional to meet the application scenarios with low temperature and no sense.

- ◆ **Environmental friendliness**

IP protection grade 65, anti-corrosion grade  $\geq C2$ , environmental protection battery.

- ◆ **Intelligent and visual**

Support remote upgrade, real-time battery warning information push, LCD data display.

Model		GB-L				
<b>Main Parameter</b>						
Cell Chemistry	LiFePO4					
Module Energy(kWh)	4.09					
Module Nominal Voltage (V)	102.4					
Module Capacity(Ah)	40					
Battery Module Qty InSeries (Optional)	2	3	4	5	6	
System Nominal Voltage (V)	204.8	307.2	409.6	512	614.4	
System Operating Voltage (V)	179.2~691.2					
System Energy (kWh)	8.18	12.27	16.36	20.45	24.56	
System Usable Energy (kWh)	7.36	11.04	14.72	18.40	22.10	
Charge/Discharge Current (A)	Recommend	20				
	Max	40				
	Peak (2 mins,25°C)	50				
Working Temperature(°C)	Charge/Discharge:-20~55					
LCD Display	SOC%,Power,Total Voltage					
Communication Port	CAN2.0,RS485					
Humidity	5%~90%					
Altitude	≤2000m					
IP Rating of Enclosure	IP65					
Storage Temperature(°C)	0~35					
Dimension (W/D/H,mm)	540*385*640	540*385*860	540*385*1080	540*385*1300	540*385*1520	
Weight(kg)	76	108	140	172	204	
Installation Location	Floor Mount					
Recommend Depth of Discharge	90%					
Cycle Life	25±2°C,0.5C/0.5C,EOL70%≥6000					
Warranty	10years					
Certification	CE/IEC62619 /VDE2510-50/ 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	
GB-LBS	High voltage battery cluster control box	
Operating Voltage Nominal Charge/Discharge Current Max. Charge/Discharge Current Operating Temperature Range Ingress Protection Dimension (W/D/H) Weight Approximate	120 ~ 750Vdc 40A 50A -40~85°C IP65 540*385*110mm 7kg	
GB-LM4.0	4.09 kWh battery module	
Battery Type Nominal Voltage Nominal Capacity Nominal Energy Nominal Charge/Discharge Current Max. Charge/Discharge Current Charge Temperature Discharge Temperature Storage Temperature Ingress Protection Dimension (W/D/H) Weight Approximate	LiFePO4(LFP) 102.4Vdc 40Ah 4.09kWh 40A 50A 0~50°C -20°C ~ 55°C 0°C ~ 35°C IP65 540*385*220mm 32kg	
GB-LBase	Battery module base	
Dimension (W/D/H) Weight Approximate	540*385*90mm 5kg	
PCOM Cable5.0(Optional)	Standard 5-meter communication cable connected to the external device	
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		