



- **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.

Technical Data

Model	GB-L								
Main Parameter									
Cell Chemistry	LiFePO ₄								
Module Energy (kWh)	4.09								
Module Nominal Voltage (V)	102.4								
Module Capacity (Ah)	40								
Battery Module Qty In Series (Optional)	2	3	4	5	6				
System Nominal Voltage (V)	204.8	307.2	409.6	512	614.4				
System Operating voltage (V)	166.4~700								
System Energy (kWh)	8.18	12.27	16.36	20.45	24.56				
System Usable Energy (kWh) ^[1]	7.36	11.04	14.72	18.40	22.10				
Charge/Discharge Current (A) ^[2]	Recommend	20							
	Max	40							
	Peak Discharge (2 mins, 25°C)	50							
Working Temperature (°C)	Charge: 0~55°C/Discharge: -20°C~60°C								
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)	540×385×650	540×385×870	540×385×1090	540×385×1310	540×385×1530				
Weight(kg)	97	136	175	214	253				
Installation Location	Floor-Mounted								
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.