

# 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.

# Technical Data

Model		GB-L				
Main Parameter						
Cell Chemistry		LiFePO <sub>4</sub>				
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) <sup>[1]</sup>		7.36	11.04	14.72	18.40	22.10
Charge/Discharge Current (A) <sup>[2]</sup>	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 <sup>[3]</sup>		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.