GB-L

- **Structural Safety**
  Built in explosion relief device to dredge gas, and built in fire protection device to cut off the fire source for 3 seconds.

- **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 ≥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						
Battery Chemistry		LiFePO4				
Module Model		GB-LM 4.0				
Module Energy (kWh)		4.09				
Module Nominal Voltage (V)		102.4				
Module Capacity (Ah)		40				
Battery System Model		GB-L8	GB-L12	GB-L16	GB-L20	GB-L24
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	24.54
System Usable Energy (kWh)[1]		7.36	11.04	14.72	18.40	22.08
Charge/Discharge Current (A)[2]	Recommend	20				
	Max	40				
	Peak (10s,25°C)	50 (2mins,25°C)				
Working Temperature (°C)		Charge: 0°C~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°C~35°C				
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°C±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, 0.2C 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.