

GB-L



- ◆ **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 $\geq C2$, environmental protection battery.

- ◆ **Intelligent and visual**

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

Model	GB-L				
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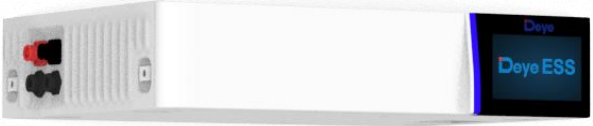
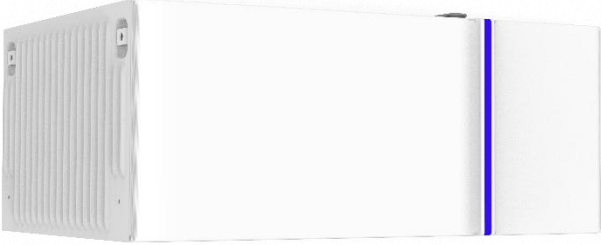




Main Parameter

Cell 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	18.4	22.08
Charge/Discharge ² Current (A)	Recommend	20			
	Nominal	40			
	Peak Discharge (2 mins, 25°C)	50			
Working Temperature (°C)	Charge: 0~55/Discharge: -20~60				
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 Mount				
Recommend Depth of Discharge	0.9				
Cycle Life	25±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.

Model	Description	
GB-LBS-PRO	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 -20~65°C IP65 540*385*110mm 12kg	
GB-LM4.0	4.09 kWh battery module	
Battery Type Nominal Voltage Rated Capacity Rated Energy Nominal Charge/Discharge Current Peak 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 0~55°C -20°C~60°C 0°C~35°C IP65 540*385*220mm 39kg	
GB-LBase	Battery module base	
Dimension (W/D/H) Weight Approximate	540*385*100mm 7kg	
ECOM Cable2.0	Standard 2-meter communication cable connected to the external device	
EPCable2.0	Standard 2-meter power cable connected to the positive pole of the external PCS	
1000V/6AWG Cable		
ENCable2.0	Standard 2-meter power cable connected to the negative pole of the external PCS	
1000V/6AWG Cable		