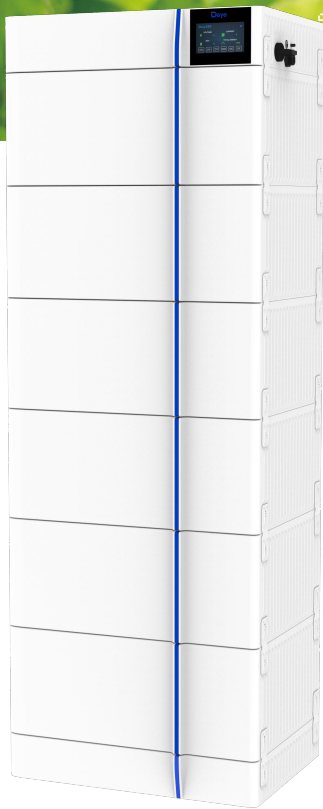


GB-L



◆ **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.

Technical Data

Model		GB-L				
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.

System Components

Model	Description	
GB-LBS-PRO	High voltage battery cluster control box	
Operating Voltage	120~750Vdc	
Nominal Charge/Discharge Current	40A	
Max Charge/Discharge Current	50A	
Operating Temperature Range	-20~65°C	
Ingress Protection	IP65	
Dimension (W/D/H)	540*385*110mm	
Weight Approximate	12kg	
GB-LM4.0	4.09 kWh battery module	
Battery Type	LiFePO4(LFP)	
Nominal Voltage	102.4Vdc	
Rated Capacity	40Ah	
Rated Energy	4.09kWh	
Nominal Charge/Discharge Current	40A	
Peak Discharge Current	50A	
Charge Temperature	0~55°C	
Discharge Temperature	-20°C~60°C	
Storage Temperature	0°C~35°C	
Ingress Protection	IP65	
Dimension (W/D/H)	540*385*220mm	
Weight Approximate	39kg	
GB-LBase	Battery module base	
Dimension (W/D/H)	540*385*100mm	
Weight Approximate	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		