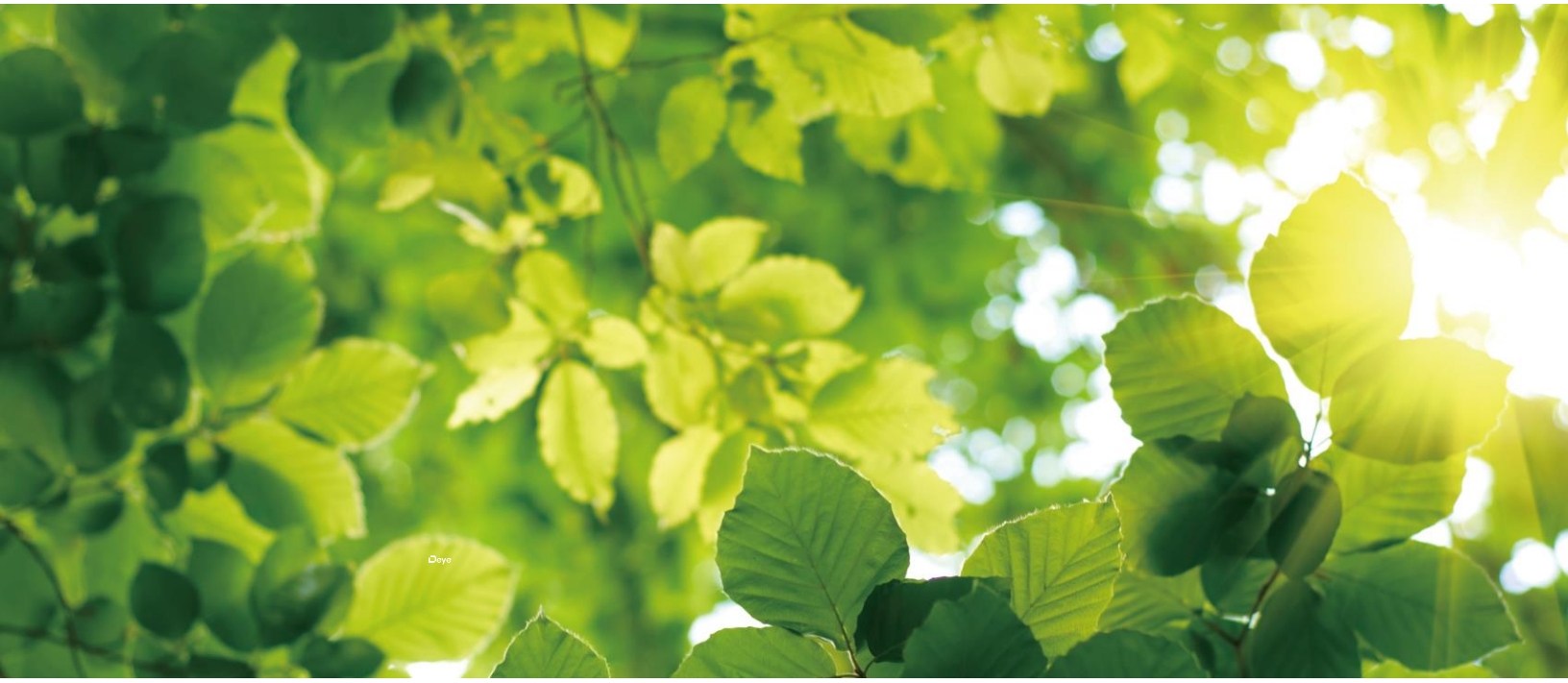
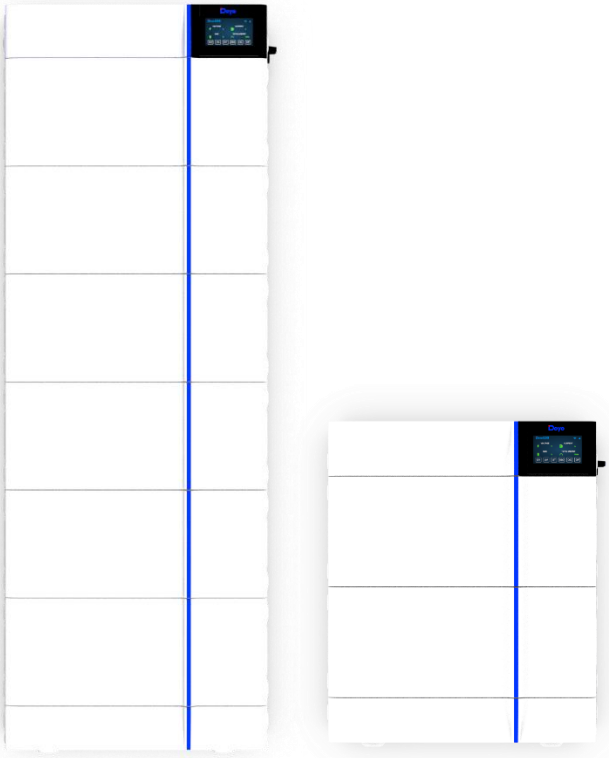
GB-L





- **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 ≥C2, environmental protection battery.

- **Intelligent and visual**

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

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Technical Data

Model		GB-L				
Main Parameter						
Cell Chemistry		LiFePO4				
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				
	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		90%				
Cycle Life		25±2°C,0.5C/0.5C, EOL70%≥6000				
Warranty [3]		10years				
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.

Deye
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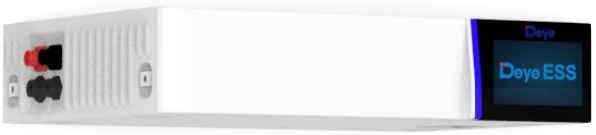
System Components

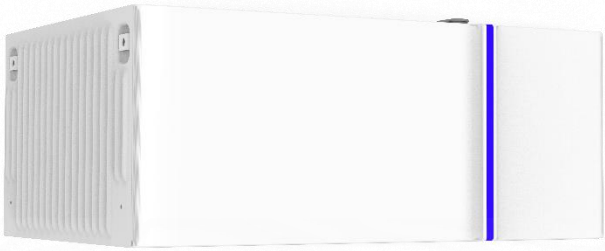
Model	Description
GB-LBS	High voltage battery cluster control box

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℃ ~ 60°C
Storage Temperature	0℃ ~ 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 commumication 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