

DEYE RESIDENTIAL ESS SOLUTION

GB-L-Pro



High-voltage Stack Design

Cable-free high-voltage stacking delivers higher efficiency and easier installation.



All-Round Safety

Built in explosion relief device to dredge gas, and built in fire protection device to cut off the fire source within 3 seconds.



Built for Durability

IP65 protection, $\geq$ C2 anti-corrosion design deliver long-term durability.



Thermal Management

Intelligent temperature sensing across core components ensures stable, reliable performance.



Wide Temperature Operation

Low-temperature battery cell enables reliable performance in environments below -20°C .



Smart & Visible Management

Real-time alerts, remote upgrades, and an intuitive LCD interface keep the system always under control.

Technical Data

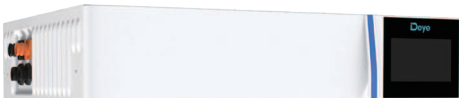
Model	GB-L8-Pro		GB-L12-Pro		GB-L16-Pro		GB-L20-Pro		GB-L24-Pro	
Cell Chemistry	LiFePO4									
Module model	GB-L-Pro-Pack4.1-2									
Module Energy (kWh)	4									
Module Nominal Voltage (V)	102.4									
Module Capacity (Ah)	40									
Battery Module Qty In Series (Optional)	2	3	4	5	6					
System Nominal Voltage (V)	204.8	307.2	409.6	512	614.4					
System Operating Voltage (V)	166.4~700.8									
System Energy (kWh)	8	12	16	20	24					
System Usable Energy (kWh) ¹	7.2	10.8	14.4	18	21.6					
Charge / Discharge ² Current (A)	Recommend	20								
	Nominal	40								
	Peak Discharge (2 mins, 25°C)	50								
Working Temperature (°C)	Charge : -20 ~ 55 / Discharge : -20 ~ 55									
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	10 years									
Certification	CE / IEC62619 / VDE 2510-50 / UN38.3									

1. DC Usable Energy, test conditions : 90% DOD, 0.3C 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

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℃		
Ingress Protection		IP65		
Dimension (W × D × H)		540 × 385 × 110mm		
Weight Approximate		12kg		
GB-L-Pro-Pack-4.1-2		4 kWh battery module		
Battery Type		LiFePO4 (LFP)		
Nominal Voltage		102.4Vdc		
Rated Capacity		40Ah		
Rated Energy		4kWh		
Nominal Charge/Discharge Current		40A		
Peak Discharge Current		50A		
Charge Temperature		-20℃~55℃		
Discharge Temperature		-20℃~55℃		
Storage Temperature		0℃~35℃		
Ingress Protection		IP65		
Dimension (W × D × H)		540 × 385 × 220mm		
Weight Approximate		39kg		
GB-L Base		Battery module base		
Dimension (W × D × H)		540 × 385 × 100mm		
Weight Approximate		7kg		
ECOM Cable 2.0		Standard 2-meter communication cable connected to the external device		
EP Cable 2.0		Standard 2-meter power cable connected to the positive pole of the external PCS		
1000V/6AWG Cable				
EN Cable 2.0		Standard 2-meter power cable connected to the negative pole of the external PCS		
1000V/6AWG Cable				



POWERING YOUR LIFE



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