Summer Series

Residential ESS Solution

Stacked Battery(HV)

GB-L (EU) & GB-L PRO (EU)

Safer

- LFP Battery: safety, long lifespan and high-energy density
- Built-in explosion relief device to dredge gas
- Built-in fire protection device to cut off the fire source for 3 seconds
- Use high-quality environmental protection materials

Smarter

- Temperature detection of key parts, cell, power plug-in, etc
- Optional heating function for low-temperature applications
- Support remote upgrade, real-time battery warning information push, LCD data display

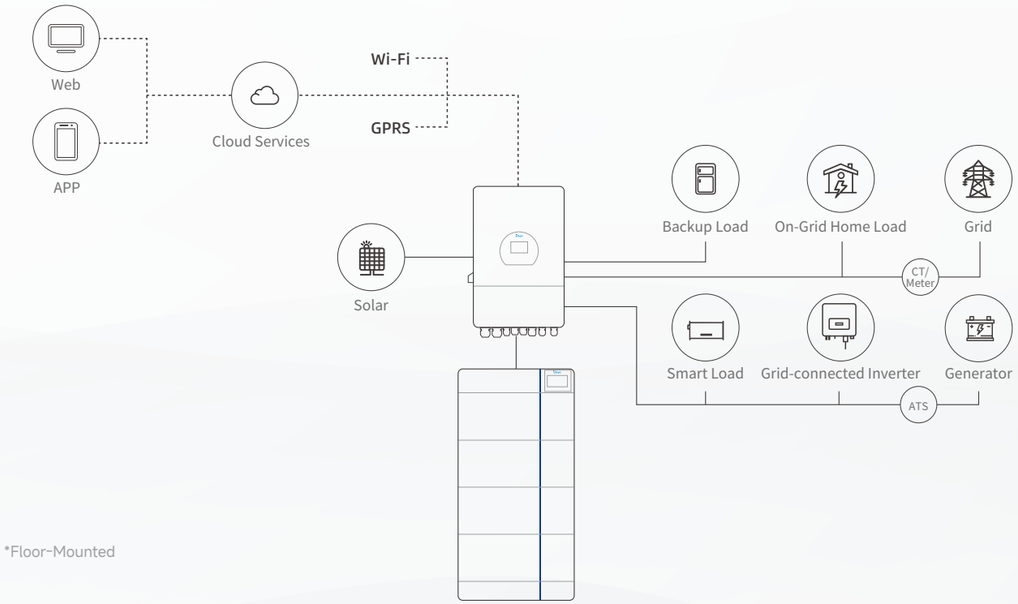
Enhanced Reliability

- ≥6000 Cycles, 70%EOL
- 10 years warranty for long-term peace of mind
- Wide temperature range: -20℃ ~ 60℃
- IP65-rated for indoor and outdoor use
- Anti-corrosion grade ≥ C2

More Flexible

- Modules are connected in series without cable connection
- And high-voltage platform improves system efficiency
- Battery Module: 2 ~ 6 pcs in series (optional)

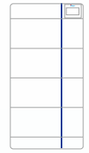
Support 5-20kW three-phase inverters, meeting the application requirements of 1-4 hours



*Floor-Mounted

GB-L (EU) & GB-L PRO (EU)

Technical Data



Main Parameters

Model		GB-L				
Battery Type		$LiFePO_4$				
Battery Module Energy (kWh)		4.09				
Battery Module Nominal Voltage (V)		102.4				
Battery 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)		7.36	11.04	14.72	18.4	22.08
Charge / Discharge Current (A) [2]	Recommend	20				
	Max.	40				
	Peak (25℃)	50				

Other Parameters

Operating Temperature (℃)	Charge:0~55/Discharge:-20~60
Storage Temperature (℃)	0~35
Communication Port	CAN2.0， RS485
Humidity	5%~90%
Altitude	≤2000m
IP Rating of Enclosure	IP65
System Dimension (W x H x D, mm)	540 × 385 × 650 / 540 × 385 × 870 / 540 × 385 × 1090 / 540 × 385 × 1310 / 540 × 385 × 1530
System Weight Approximate (kg)	97 / 136 / 175 / 214 / 253
LCD Display	SOC%, Power, Total Voltage
Installation Location	Floor-Mounted
Recommend Depth of Discharge	0.9
Cycle Life	25+2°C,0.5C/0.5C,EOL70%≥6000
Warranty Period	10 years
Certification	CE / IEC 62619 / VDE 2510-50 / UN38.3

Inverter	1h	2h	3h	4h
SUN-5K-SG01HP3-EU-AM2	X2	X3	X4	X5
SUN-6K-SG01HP3-EU-AM2	X2	X3	X5	X6
SUN-8K-SG01HP3-EU-AM2	X3	X4	X6	/
SUN-10K-SG01HP3-EU-AM2	X4	X5	/	/
SUN-12K-SG01HP3-EU-AM2	X5	X6	/	/
SUN-15K-SG01HP3-EU-AM2	X5	/	/	/
SUN-20K-SG01HP3-EU-AM2	X6	/	/	/

Main Parameters

Model		GB-L PRO				
Cell chemistry		$LiFePO_4$				
Module model		GB-L-PRO				
Module Energy (kWh)		4				
Module Nominal Voltage (V)		102.4				
Module Capacity (Ah)		40				
Battery System Model		GB-L8 PRO	GB-L12 PRO	GB-L16 PRO	GB-L20 PRO	GB-L24 PRO
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	12	16	20	24
System Usable Energy (kWh)		7.2	10.8	14.4	18	21.6
Charge / Discharge Current (A) [2]	Recommend	20				
	Max.	40				
	Peak (25℃)	50				

Other Parameters

Working Temperature (℃)	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 (℃)	0~35
Dimension (W × H × D, 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	0.9
Cycle Life	25+2°C,0.5C/0.5C,EOL70%≥6000
Warranty Period	10 years
Certification	CE / IEC 62619 / VDE 2510-50 / UN38.3

Inverter	1h	2h	3h	4h
SUN-5K-SG01HP3-EU-AM2	X2	X3	X4	X5
SUN-6K-SG01HP3-EU-AM2	X2	X3	X5	X6
SUN-8K-SG01HP3-EU-AM2	X3	X4	X6	/
SUN-10K-SG01HP3-EU-AM2	X4	X5	/	/
SUN-12K-SG01HP3-EU-AM2	X5	X6	/	/
SUN-15K-SG01HP3-EU-AM2	X5	/	/	/
SUN-20K-SG01HP3-EU-AM2	X6	/	/	/

*Floor-Mounted