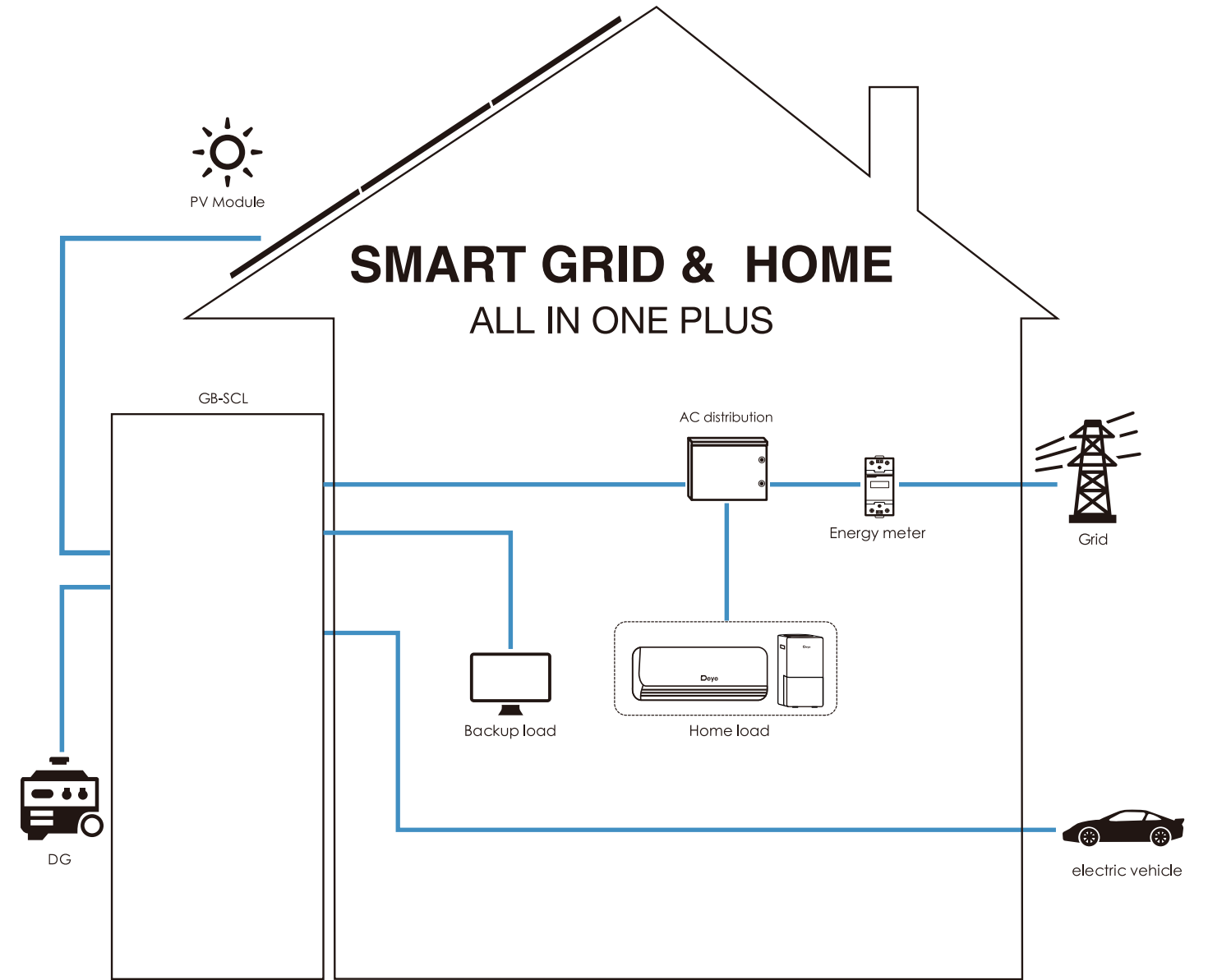


# Summer GB-SCL-EU



- All In One Plus**  
 Solar storage and charging integrated solution, one-stop service.
- Maximum Output**  
 100% unbalanced output, each phase; Max. output up to 50% rated power.
- Maximum Connection**  
 Max. 10pcs parallel for on-grid and off-grid operation;
- More Support**  
 Support storing energy from diesel generator.
- 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.

# TYPICAL APPLICATION DIAGRAM



## Technical Data

Model	GB-S6K-EU	GB-S8K-EU	GB-S10K-EU	GB-S12K-EU	GB-S15K-EU	GB-S20K-EU
<b>Battery Input Data</b>						
Battery Type	Li-ion					
Battery Voltage Range (V)	150~700					
Max. Charging Current (A)	37					
Max. Discharging Current (A)	37					
Number of battery input	1					
Charging Strategy for Li-Ion Battery	Self-adaption to BMS					
<b>PV String Input Data</b>						
Max. DC Input Power (W)	7800	10400	13000	15600	19500	26000
Max. DC Input Voltage (V)	1000					
Start-up Voltage (V)	150					
MPPT Range (V)	150-850					
Full Load DC Voltage Range (V)	195-850	260-850	325-850	340-850	423-850	500-850
Rated DC Input Voltage (V)	600					
PV Input Current (A)	20+20		26+20		26+26	
Max. PVI sc (A)	23+23		32+23		32+32	
No. of MPP Trackers	2					
No. of String sper MPP Tracker	1		2+1		2	
<b>AC Output Data</b>						
Rated AC Output and UPS Power (W)	6000	8000	10000	12000	15000	20000
Max. AC Output Power (W)	6600	8800	11000	13200	16500	22000
AC Output Rated Current (A)	9.1	12.2	15.2	18.2	22.8	30.3
Max. AC Current(A)	13	18	22	25	30	35
Max. Continuous AC Pass through(A)	80					
Peak Power (off grid)	1.5timeof rated power, 10S					
Generator input/Smart load /AC couple current (A)	9.1/80/9.1	12.2/80/12.2	15.2/80/15.2	18.2/80/18.2	22.8/80/22.8	30.3/80/30.3
Power Factor	0.8leading to 0.8 lagging					
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac					
Grid Type	Three Phase					
DC injection current (mA)	<0.5%1n					
<b>Efficiency</b>						
Max. Efficiency	97.60%					
Euro Efficiency	97.00%					
MPPT Efficiency	99.90%					
<b>Protection</b>						
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV StringInput Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection					
Output Over Voltage Protection	DC TypeII/AC TypeIII					
<b>Certifications and Standards</b>						
Grid Regulation	CEIO-21, VDE-AR-N 4105, NRS 097, IEC62116, IEC61727, G99, G98 VDE0126-1-1, RD 1699, C10-11					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN62109-2					
<b>General Data</b>						
Operating Temperature Range(°C)	-40~60°C, >45°C derating					
Cooling	Smart cooling					
Communication with BMS	RS485; CAN					
Warranty	5years					

## Technical Data

Model	GB-C11K-EU			
<b>Charger Data</b>				
Rate Power (kw)	11			
Output Voltage Range(V)	400AC			
Output Current Range (A)	16A			
Communication Port	RS485			
Charging standard	Type 2			
Standards/regulations	IEC61851-1			
Operating Temperature Range (°C)	-30~50			
Thermal Management	Natural Cooling			
Warranty	2years			
Certification	CE/CB			
Model	GB-LM 4.0			
<b>Battery System Data</b>				
Cell Chemistry	LiFePO4			
Module Energy (kWh)	4.09			
Module Nominal Voltage (V)	102.4			
Module Capacity(Ah)	40			
Battery Module Qtyin series. (Optional)	3	4	5	6
System Nominal Voltage (V)	307.2	409.6	512	614.4
System Operating Voltage (V)	268.8~691.2			
System Energy (kWh)	12.27	16.36	20.45	24.57
System Usable Energy (kWh) <sup>1</sup>	11.04	14.72	18.40	22.08
Charge/Discharge <sup>2</sup> Current(A)	Recommend	20		
	Max	40		
	peak (2mins, 25°C)	50		
Working Temperature(°C)	Charge: 0~55/Discharge: -20~60			
Communication Port	CAN2.0/RS485			
Thermal Management	Natural Cooling			
Recommend Depth of Discharge	90%			
Cycle Life	25±2°C, 0.5C/0.5C, 70%EOL≥6000			
Warranty <sup>3</sup>	10years			
Certification	CE/IEC 62619/VDE2510-50/UN38.3			
<b>Other Data</b>				
Humidity	5~85%RH			
Altitude (m)	≤2000			
IP Rating of Enclosure	IP65			
Noise (dB)	<45			
Storage Temperature(°C)	0~35			
Dimension(W/D/H,mm)	540×385×1320	540×385×1450	540×385×1760	540×385×1980
Weight Approximate (kg)	176	215	254	293
Installation Location	Floor Mount			

[1] DCU sable Energy, test conditions: 90% DOD, 0.2C charged dischargeat 25°C. System usable energy may vary dueto system configuration parameter.

[2] The currentis affected by temperature and soC.

[3] The warranty is due whicheverreached first of warranty periodor life cycle power.