

GB-SL-EU



◆ **ALL IN ONE**

Integrated design, beautiful appearance and scene integration

◆ **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

| Model | GB-S6K-EU | GB-S8K-EU | GB-S10K-EU | GB-S12K-EU | GB-S15K-EU | GB-S20K-EU |
|---|---|------------------|------------------|------------------|------------------|------------------|
| Battery Input Data | | | | | | |
| 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 | | | | | |
| PV String Input Data | | | | | | |
| 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. PV I _{SC} (A) | 23+23 | | | | 32+23 | 32+32 |
| No. of MPP Trackers | 2 | | | | | |
| No. of Strings per MPP Tracker | 1 | | | | 2+1 | 2 |
| AC Output Data | | | | | | |
| 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) | 1.5 time of 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 | 0.8 leading 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 | | | | | |
| Efficiency | | | | | | |
| Max. Efficiency | 97.60% | | | | | |
| Euro Efficiency | 97.00% | | | | | |
| MPPT Efficiency | 99.90% | | | | | |
| Protection | | | | | | |
| Integrated | PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection | | | | | |
| Output Over Voltage Protection | DC Type II/AC Type III | | | | | |
| Certifications and Standards | | | | | | |
| Grid Regulation | CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 | | | | | |
| Safety EMC /Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | | | | |
| General Data | | | | | | |
| Operating Temperature Range (°C) | -40~60°C, >45°C derating | | | | | |
| Cooling | Smart cooling | | | | | |
| Communication with BMS | RS485; CAN | | | | | |
| Warranty | 5 years | | | | | |

| Model | | GB-L | | | | |
|---|---------------------------------|--------------|--------------|--------------|--------------|--|
| Battery System Data | | | | | | |
| 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 | |
| System Operating Voltage (V) | 179.2~691.2 | | | | | |
| System Energy (kWh) | 8.18 | 12.27 | 16.36 | 20.45 | 24.57 | |
| System Usable Energy (kWh) | 7.36 | 11.04 | 14.72 | 18.40 | 22.11 | |
| Charge/Discharge Current (A) | Recommend | 20 | | | | |
| | Max | 40 | | | | |
| | peak (2mins,25°C) | 50 | | | | |
| Working Temperature(°C) | Charge/Discharge:-20~55 | | | | | |
| Communication Port | CAN2.0/RS485 | | | | | |
| Thermal Management | Natural Cooling/SmartHeating | | | | | |
| Recommend Depth of Discharge | 90% | | | | | |
| Cycle Life | 25±2°C,0.5C/0.5C,70%EOL≥6000 | | | | | |
| Warranty | 10 years | | | | | |
| Certification | CE/IEC 62619/VDE 2510-50/UN38.3 | | | | | |
| Other Data | | | | | | |
| 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*1090 | 540*385*1310 | 540*385*1530 | 540*385*1750 | 540*385*1970 | |
| Weight Approximate (kg) | 121 | 153 | 185 | 217 | 249 | |
| Installation Location | Floor Mount | | | | | |

- 1 DC Usable Energy, test conditions: 90% DOD, 0.5C 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.

| Model | Description | |
|--|--|---|
| GB-S6K/8K/10K/12K/15K/20K-EU | Hybrid inverter |  |
| Dimension (W/D/H) Weight Approximate | 540*385*450mm 45kg | |
| GB-LB | High voltage battery cluster control box |  |
| Operating Voltage Nominal Charge/Discharge Current Max.Charge/Discharge Current Operating Temperature Range Ingress Protection Dimension (W/D/H) Weight Approximate | 120 ~ 750Vdc 40A 50A -40~85°C IP65 540*385*110mm 7kg | |
| GB-LM4.0 | 4.09 kWh battery module |  |
| Battery Type Nominal Voltage Nominal Capacity Nominal Energy Nominal Charge/Discharge Current Max.Charge/Discharge Current Charge Temperature Discharge Temperature Storage Temperature Ingress Protection Dimension (W/D/H) Weight Approximate | LiFePO4(LFP) 102.4Vdc 40Ah 4.09kWh 40A 50A 0~50°C -20°C ~ 55°C 0°C ~ 35°C IP65 540*385*220mm 32kg | |
| GB-LBase | Battery module base |  |
| Dimension (W/D/H) Weight Approximate | 540*385*90mm 5kg | |
| PCOM Cable5.0(Optional) | Standard 5-meter communication cable connected to the external device |  |