

BOS-G



◆ Convenient

Quick installation, standard of 19-inch embedded designed module is comfortable for installation and maintenance.

◆ Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life. The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

◆ Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.

◆ Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

◆ Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade (optional), remote upgrade (Compatible with Deye inverter).

◆ Wide temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

Technical Data

| Model | | BOS-G | |
|--|------------------------|--|---|
| Main Parameter | | | |
| Cell Chemistry | | LiFePO4 | |
| Module Energy (kWh) | | 5.12 | |
| Module Nominal Voltage (V) | | 51.2 | |
| Module Capacity (Ah) | | 100 | |
| Battery Module Qty in series. (Optional) | | 4 (Min) | 8 (Standard US Cluster) 12 (Standard EU Cluster) |
| System Nominal Voltage (V) | | 204.8 | 409.6 614.4 |
| System Operating voltage (V) | | 180~230 | 359~460 537.6~691.2 |
| System Energy (kWh) | | 20.48 | 40.96 61.44 |
| System Usable Energy (kWh) | | 18.5 | 36.86 55.29 |
| Charge/Discharge Current (A) | Recommend | 50 | |
| | Max | 100 | |
| | Peak (2 mins, 25°C) | 125 | |
| Working Temperature (°C) | | Charge: 0~55/Discharge: -20~55 | |
| Status Indicator | | Yellow: Battery High Voltage Power On Red: Battery System Alarm | |
| Communication Port | | CAN2.0/RS485 | |
| Humidity | | 5~85%RH | |
| Altitude | | ≤2000 m | |
| IP Rating of Enclosure | | IP20 | |
| Dimension (W/D/H,mm) | | 540*590*1650 | 540*590*2250 |
| Weight Approximate (kg) | | 242 | 410 430 |
| Installation Location | | Rack Mounting | |
| Storage Temperature (°C) | | 0~35 | |
| Recommend Depth of Discharge | | 90% | |
| Cycle Life | | 25±2°C, 0.5C/0.5C, EOL70%≥6000 | |
| Warranty | | 10 years | |
| Certification | | CE/IEC62619 / UL1973 / UL9540A / UN38.3 | |

[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.