

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 up grade(Compatible with Deye inverter).

Wide temperature

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

| Model | | B05-G | | |
|---|-----------------------|--|---------|----------------------------|
| Main Parameter | | | | |
| Cell Chemistry | | LiFePO4 | | |
| Module Energy(kWh) | | 5.12 51.2 | | |
| Module Nominal Voltage(V) | | 100 | | |
| Module Capacity(Ah) | | 8 (Standard USCluster) | | |
| Battery Module Qty in series.(Optional) | | 4 (Min) | | 12 (Standard EUCluster) |
| System Nominal Voltage(V) | | 204.8 | 409.6 | 614.4 |
| System Operating Voltage (V) | | 180~230 | 359~460 | 538~691 |
| 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: 0~50/Discharge:-20~55 | | |
| StatusIndicator | | Yellow: Battery HighVoltage Power On Red: Battery SystemAlarm | | |
| CommunicationPort Humidity | | CAN2.0/RS485 | | |
| Altitude | | 5~85%RH | | |
| IPRating of Enclosure | | ≤2000m | | |
| Dimension(W/D/H,mm) Weight | | IP20 | | |
| Approximate(kg) | | 580*590*1615 | | 580*590*2200 |
| InstallationLocation | | 258 | 434 | 628 |
| Storage Temperature(°C) | | RackMounting | | |
| Recommend Depth of Discharge | | 0~35 | | |
| CycleLife | | 90% | | |
| Warranty | | 25±2°C, 0.5C/0.5C,EOL70%≥6000 | | |
| Certification | | 10years | | |
| CE,IEC62619,UL1973,UL9540A,UN38.3,FCC,CEC,UKCA, | | | | |

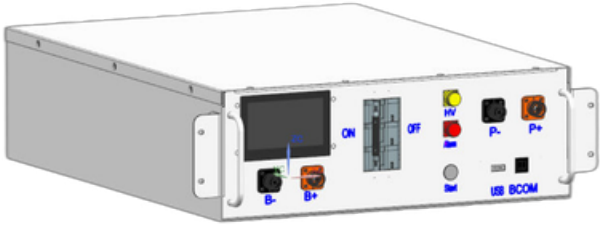
1 DCUsableEnergy,testconditions:90%DOD,0.5Ccharge&discharge at25°C.Systemusable energy mayvaryduetosystemconfiguration parameters.



2 Thecurrentisaffected bytemperatureandSOC.

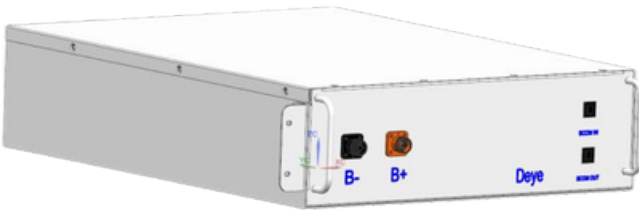
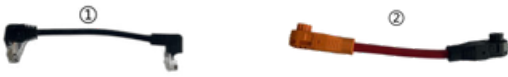
3 The warranty is due whichever reached first of warranty period or life cycle power.





| Model | Description |
|-------|-------------|
|-------|-------------|

| | | |
|---|---|--|
| HVB750V/100A-EU | High Voltage Battery cluster control box conforming to European or British Standards | |
| Operating Voltage Nominal Charge/Discharge Current Max. Charge/Discharge Current DC Input Rating Operating Temperature Range Ingress Protection Dimension (W/D/H) Weight Approximate | 120~750Vdc 100A 125A 12±2%V/4.15A -20~55°C IP20 440*565*150mm 15.5kg |  |
| HVB750V/100A-US | High Voltage Battery cluster control box conforming to North American Standard | |

| | | |
|---|---|---|
| Operating Voltage Nominal Charge/Discharge Current Max. Charge/Discharge Current DC Input Rating Operating Temperature Range Ingress Protection Dimension (W/D/H) Weight Approximate | 120~750Vdc 100A 125A 12±2%V/4.15A -20~55°C IP20 440*565*150mm 17kg |  |
| High voltage box Standard configuration: ① 120 ohm terminal resistance ② 140mm communication cable ③ 220mm power cable ④ 1.5m power cable (US Version) 2.1m power cable (EU Version) | |  |

| | | |
|---|--|--|
| BOS-GM5.1 | 5.12kwh 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) 51.2Vdc 100Ah 5.12kWh 100A 125A 0~50°C -20°C~55°C 0°C~35°C IP20 440*570*133mm 44kg |  |
| Battery module Standard configuration : ① 110mm communication cable ② 200mm power cable | |  |

| | | |
|----------------------|---|--|
| EPCable5.0(Optional) | Standard 5-meter power cable connected to the positive pole of the external PCS | |
| 1000V/4AWG cable | |  |
| ENCable5.0(Optional) | Standard 5-meter power cable connected to the negative pole of the external PCS | |
| 1000V/4AWG cable | |  |

| Model | Description |
|-------|-------------|
|-------|-------------|

EPWR Cable5.0(Optional)

Standard 5-meter cable connected to external 12VDC power supply



ECOM Cable5.0(Optional)

Standard 5-meter communication cable connected to the external device

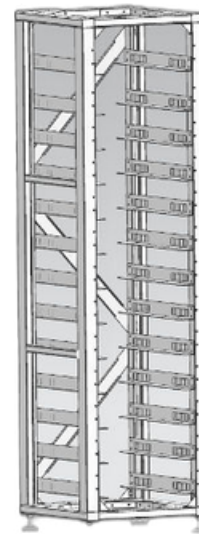


3U-HRACK(Optional)

Standard 19inch rack, can install 12 pcs batteries and 1 pcs High Voltage Battery cluster control box

Dimension (W/D/H)
Weight Approximate

580*590*2200mm
85kg



3U-LRACK(Optional)

Standard 19inch rack, can install 8 pcs batteries and 1 pcs High Voltage Battery cluster control box

Dimension (W/D/H)
Weight Approximate

580*590*1615mm
65kg

