



10.64 kWh - 37.27 kWh

MatchBox HVS Series high-voltage battery is an ideal component and a highlight of the comprehensive BSLBATT one-stop shop energy storage solution. Consisting of 102.4V 52Ah individual battery modules with capacities ranging from 10.64kWh to 37.27kWh each and expandable by paralleling up to 5 towers, the MatchBox HVS is based on a LiFePO₄ battery with a BMS built into the HVS control box for various protection and control functions.



Modular and scalable



Higher energy density



Higher battery stability



10-year warranty & technical support



30 days delivery period



For on-grid and off-grid



UL standard battery pack



Higher system efficiency



Safe and reliable LiFePO₄

Specification

204.8V - 716.8V, 10.64kWh - 37.27kWh

| Model | HVS2 | HVS3 | HVS4 | HVS5 | HVS6 | HVS7 |
|-----------------------------|--|-------------|-------------|-------------|--------------|--------------|
| Rated voltage(V) | 204.8 | 307.2 | 409.6 | 512 | 614.4 | 716.8 |
| Cell model(LFP-3.2V) | 3.2V 52Ah 102.4V 5.32kWh | | | | | |
| System configuration | 64S1P | 96S1P | 128S1P | 160S1P | 192S1P | 224S1P |
| Number of Modules | 2 | 3 | 4 | 5 | 6 | 7 |
| Rate power(KWh) | 10.64 | 15.97 | 21.29 | 26.62 | 31.94 | 37.27 |
| Charge upper voltage | 227.2V | 340.8V | 454.4V | 568V | 681.6V | 795.2V |
| Discharge lower voltage | 182.4V | 273.6V | 364.8V | 456V | 547.2V | 645.12V |
| Recommended current | 26A | | | | | |
| Maximum charging current | 52A | | | | | |
| Maximum discharging current | 52A | | | | | |
| Dimensions (W*D*H,mm) | 665*370*425 | 665*370*575 | 665*370*725 | 665*370*875 | 665*370*1025 | 665*370*1175 |
| Pack weight(kg) | 122 | 172 | 222 | 272 | 322 | 372 |
| Communication protocol | CAN BUS(Baud rate @500Kb/s @250Kb/s)/Mod bus RTU(@9600b/s) | | | | | |
| Host software protocol | CAN BUS(Baud rate @250Kb/s) / Wifi / Bluetooth | | | | | |
| Operation temperature range | Charge:0~55°C | | | | | |
| | Discharge: -10~55°C | | | | | |
| Cycle life(25°C) | > 6000 cycles @80% DOD | | | | | |
| Protection level | IP20 | | | | | |
| Storage temperature | 0°C~35°C | | | | | |
| Storage humidity | 10%RH~90%RH | | | | | |
| Internal impedance | ≤1Ω | | | | | |
| Warranty | 10 years | | | | | |
| Service life | 15-20 years | | | | | |
| Multi-group | Max. 5 systems in parrallel | | | | | |

Certification

| | |
|------------------------------------|--------------------|
| Safety | IEC62619/CE/UN38.3 |
| Hazardous materials classification | Class 9 |
| Transportation | UN38.3 |

Compatible Inverters



Facebook



Linkedin



Tiktok



Instagram



Youtube