



## Introduction

The BSLBATT MatchBox is composed of individual battery modules with a voltage of 102.4V 52Ah and can be stacked in series with 2-7 battery modules. The MatchBox has a LiFePO4 battery as the core and the BMS is built into the high voltage control box for various protection and control functions.



## MatchBox Battery Configuration Guide

- MatchBox - 2 204.8V 52Ah 10.64kWh
- MatchBox - 3 307.2V 52Ah 15.97kWh
- MatchBox - 4 409.6V 52Ah 21.29kWh
- MatchBox - 5 512V 52Ah 26.62kWh
- MatchBox - 6 614.4V 52Ah 31.94kWh
- MatchBox - 7 716.8V 52Ah 37.27kWh

## Application Scenarios












## Product Specification

Model	HVS2	HVS3	HVS4	HVS5	HVS6	HVS7
Rated voltage(V)	204.8	307.2	409.6V	512	614.4	716.8
Cell model(LFP-3.2V)	3.2V 52Ah					
System configuration	64S1P	96S1P	128S1P	160S1P	192S1P	224S1P
Battery single box number	2 pack+1 control box	3 pack+1 control box	4 pack+1 control box	5 pack+1 control box	6 pack+1 control box	7 pack+1 control box
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	122KG	172KG	222KG	272KG	322KG	372KG
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@80%SOH					
Protection level	IP54					
Storage teperature	-10°C~40°C					
Storage humidity	10%RH~90%RH					
Internal impedance	≤1Ω					
Warranty	10 years					
Service life	15-20 years					

## Certification

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

## Features

 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

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