



## 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
Nominal voltage(V)	204.8	307.2	409.6V	512	614.4	716.8
Rated capacity(Ah)	52					
Cell model(LFP-3.2V)	3.2V 52Ah 32S1P					
Dimensions	598*400*515.5	598*400*683	598*400*850.5	598*400*1018	598*400*1185.5	598*400*1353
Pack configuration	64P1S	96P1S	128P1S	160P1S	192P1S	224P1S
Rate power(KWh)	10.64	15.97	21.29	26.62	31.94	37.27
Voltage range(Vdc)	180-230V	268-350V	353-467V	448-584V	537-700V	627-817V
Float charge voltage	220V	330V	440V	550V	660V	770V
Charging current	35A					
Max discharging	45A					
Charge over current	40A					
Discharge over current	50A					
Pack weight	123KG	169KG	215KG	261KG	307KG	353KG
Internal impedance	≤200mΩ	≤300mΩ	≤400mΩ	≤500mΩ	≤600mΩ	≤700mΩ
Communication protocol	CAN(500Kb/s)/RS485(9600bs)					
Host software	RS485					
Operation temperature range	Charge:0~55°C					
	Discharge: -10~55°C					
Storage temperature	0°C~25°C					
Cycle life	≥6000 Cycles@25°C, 80%DOD, 60%EOL					
IP grade	IP54					

## Certification

Safety	IEC62619/CE/UN38.3
Cell	IEC62619/UL1973/CE
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