

MatchBox HVS

High Voltage Stackable System



10.64 kWh - 37.27 kWh

MatchBox HVS Series high-voltage battery is an ideal component and a highlight of the comprehensive BSLBATT one-stopshop 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	409.6V	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	IP54					
Storage temperature	-10°C~40°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



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