



15.97 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 15.97kWh 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

307.2V - 716.8V, 15.97kWh - 37.27kWh

Model	HVS3	HVS4	HVS5	HVS6	HVS7
Rated voltage (V)	307.2	409.6	512	614.4	716.8
Cell model (LFP-3.2V)	52Ah				
Battery Pack	32S1P 102.4V 5.32kWh				
System configuration	96S1P	128S1P	160S1P	192S1P	224S1P
Number of Modules	3	4	5	6	7
Nominal capacity (kWh)	15.97	21.29	26.62	31.94	37.27
Usable capacity (kWh)	15.17	20.22	25.28	30.34	35.40
Charge upper voltage (V)	336	448	560	672	784
Discharge Lower voltage (V)	268.8	358.4	448	537.6	627.2
Recommended current	26A				
Rated DC Power (kW)	7.98	10.64	13.31	15.97	18.63
Maximum charging current	48A				
Maximum discharging current	52A				
Dimensions (W*D*H,mm)	665*370*732(±5)	665*370*881(±5)	665*370*1031(±5)	665*370*1180(±5)	665*370*1330(±5)
weight (kg)	160kg±1%	205kg±1%	250kg±1%	295kg±1%	340kg±1%
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:0~50°C				
	Discharge: -10~55°C				
Cycle life	> 6000 cycles @95% DOD				
Protection level	IP65				
Storage temperature	0°C~35°C				
Storage humidity	10%RH~90%RH				
Internal impedance	≤1Ω				
Warranty	10 years				
Service life	> 15 years				
Multi-group	Max. 5 systems in parrallel				

Certification

Safety	IEC62619/IEC62477/IEC62040/CE/UN38.3
Hazardous materials classification	Class 9
Transportation	UN38.3

Compatible Inverters



Facebook



Linkedin



Tiktok



Instagram



Youtube

Made in China