BSLBATT®
Best Solution Lithium Battery

MatchBox LVS

Low Voltage Stackable System



10.44 kWh - 31.32 kWh

MatchBox LVS is a low-voltage battery system with a stacking design. A single battery module is 5.32kWh. It can be quickly stacked and expanded in a plug-and-play manner without the need for cumbersome wiring. It can meet residential energy storage needs of 10kWh to 30kWh.

- 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 Module
- Higher system efficiency
- Safe and reliable LiFePO4

Specification

10.44kWh - 31.32kWh



2 3 4 5 6

Model	LVS2	LVS3	LVS4	LVS5	LVS6
Rated voltage(V)	DC51.2				
Cell model(LFP-3.2V)	3.2V 102Ah 51.2V 5.32kWh				
System configuration	16S2P	16S3P	16S4P	16S5P	16S6P
Number of modules	2	3	4	5	6
Rate power(KWh)	10.44	15.66	20.88	26.1	31.32
Rated capacity(Ah)	204	306	408	510	612
Voltage range(V)	44.8~57.6				
Maximum charging current	240A				
Maximum discharging current	240A				
Dimensions(W*D*H,mm)	700*385*499(±3)	700*385*599(±3)	700*385*749(±3)	700*385*899(±3)	700*385*1049(±3)
Pack weight(kg)	103.5	149.5	195.5	241.5	287.5
Communication protocol	CAN /RS485				
Host software protocol	RS232 / Wifi & Blutooth (Option)				
Operation temperature range	Charge:0~45℃				
	Discharge: -20~55℃				
Cycle life(25℃)	> 6000 cycles @90% DOD				
Protection level	IP65				
Storage tempearture	0℃~35℃				
Storage humidity	10%RH~90%RH				
Internal impedance	≤1Ω				
Warranty	10 years				
Service life	15-20 years				

Certification

Safety	CE
Transportation	UN38.3

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