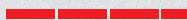
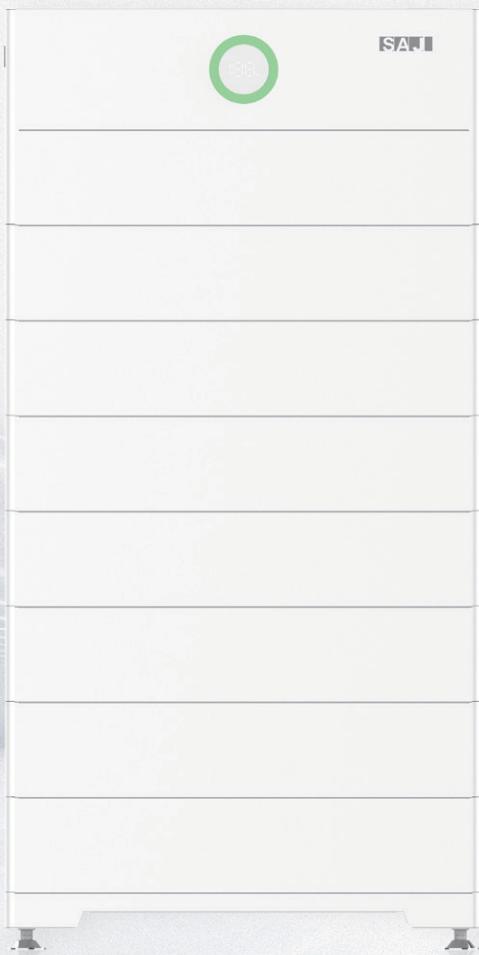


# B2S High Voltage Battery



The B2S is an upgraded high-voltage battery with a stackable design and quick-connect interface for easier installation (single stack capacity from 12.8kWh to 51.2kWh). It offers a variety of capacity options to meet different needs and is suitable for various home.



- 100% Depth of Discharge
- Quick Installation with Plug-and-Play Design
- IP65 for Indoor & Outdoor Installation
- Up to 51.2 kWh per unit
- Remote Firmware Upgrade
- 6000+ Battery Cycles for Long Lifespan

B2-12.8-HV1-S | B2-19.2-HV1-S | B2-25.6-HV1-S | B2-32.0-HV1-S  
B2-38.4-HV1-S | B2-44.8-HV1-S | B2-51.2-HV1-S | B2-19.2-HV2-S  
B2-25.6-HV2-S | B2-32.0-HV2-S

B2-X-HVa-S (X maybe is 12.8,19.2,25.6,32.0,38.4,44.8 or 51.2 and a maybe is 1 or 2)																			
Model	B2-12.8-HV1-S	B2-19.2-HV1-S	B2-25.6-HV1-S	B2-32.0-HV1-S	B2-38.4-HV1-S	B2-44.8-HV1-S	B2-51.2-HV1-S	B2-19.2-HV2-S	B2-25.6-HV2-S	B2-32.0-HV2-S									
Number of Battery Modules	2	3	4	5	6	7	8	3	4	5									
Battery type	LiFePO4																		
Cell capacity [Ah]	a=1 is 100; a=2 is 102																		
Cycle life *1	6000																		
Total energy capacity [kWh]	12.8	19.2	25.6	32.0	38.4	44.8	51.2	19.2	25.6	32.0									
Usable energy capacity [kWh] *2	12.8	19.2	25.6	32.0	38.4	44.8	51.2	19.2	25.6	32.0									
Rated Power [W]	6400	9600	12800	16000	19200	22400	25600	9600	12800	16000									
Nominal Voltage [V]	128	192	256	320	384	448	512	192	256	320									
Operating Voltage [V]	112~144	168~216	224~288	280~360	336~432	392~504	448~576	168~216	224~288	280~360									
Rated/Max. charge and Rated discharge current [A]	50																		
Depth of discharge	100%																		
General Data																			
Weight [kg]	132.4	188.4	244.4	300.4	356.4	412.4	468.4	188.4	244.4	300.4									
Dimension (H*W*D) [mm]	590*725*380	735*725*380	880*725*380	1025*725*380	1170*725*380	1315*725*380	1460*725*380	735*725*380	880*725*380	1025*725*380									
Storage temperature range [°C]	-25 ~ 25																		
Operating temperature range	Discharging Temperature : -10°C ~ 50°C/ Charging Temperature: 0°C to +50°C																		
Relative humidity range	0% ~ 95% non-condensing																		
Cooling	Natural convection																		
Max. operating altitude [m]	2000																		
System ingress protection rating	IP65																		
Protective Class	I																		
Battery designation	a = 1: IFpP52/161/120/[(1P20S)NS]/M/-10+50/80 (N=2,3,4,5,6,7,8 battery modules) a = 2: IFpP51/161/120/[(1P20S)NS]/M/-10+50/80 (N=2,3,4,5,6,7,8 battery modules)																		
Warranty [Year]	Refer to the warranty documentation																		
Installation method	Floor standing																		
Compatible Inverters	SAJ brand H2 series 2~6 battery modules use for single-phase inverter 3~8 battery modules use for three-phase inverter																		
Standard	IEC62040-1, IEC 62619( Cell & System), EN 62477-1, EN 61000-6-1/2/3/4, UN38.3																		
Control Model																			
Max. Fault Current [A]	100																		
Dimension (H*W*D) [mm]	185*725*380																		
Weight [kg]	15.3																		
Communication	CAN																		
Battery Model																			
BU2-6.4-HVa-S (a maybe is 1,2)																			
Cell capacity [Ah]	a=1 is 100; a=2 is 102																		
Total energy capacity [kWh]	6.4																		
Usable energy capacity [kWh] *2	6.4																		
Rated Power [W]	6400																		
Nominal Voltage [V]	64																		
Operating Voltage [V]	56 to 72																		
Dimension (H*W*D) [mm]	145*725*380																		
Weight [kg]	56																		
Rated/Max. charge and Rated discharge current [A]	50																		
Base																			
Dimension (H*W*D) [mm]	135*725*380																		
Weight [kg]	5.1																		

\*1 This is provided by the battery cell manufacturer. Based on cell test condition of 25±2°C, 0.5C charge and discharge rate and SOH=70%.

\*2 Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life.