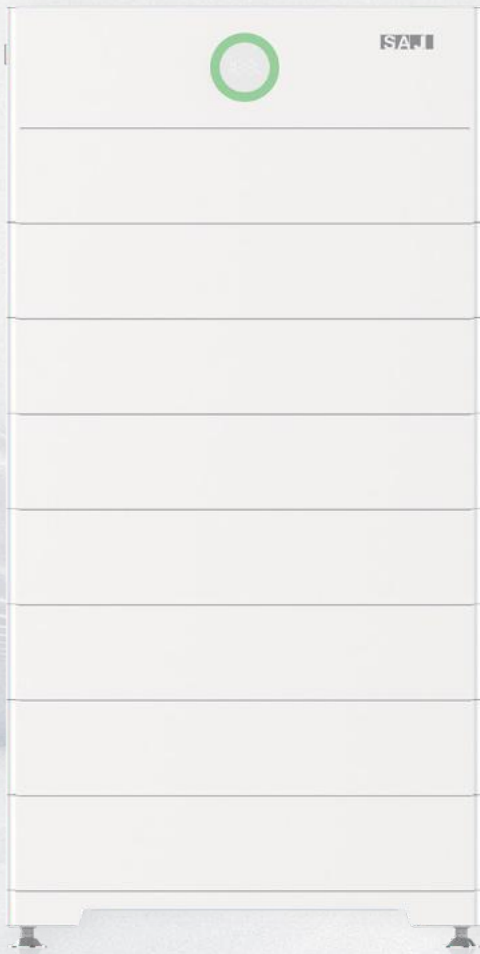


B2S High Voltage Battery

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

Series Model		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		BC2-HV-S								
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.