

# B2 5.0kWh High Voltage Battery

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B2 high voltage battery allows for another solution, follow the same design language from H2 hybrid inverter, provides a stackable design for end-user to choose different capacity of battery system, from 5.0kWh to 25kWh.



- Wall-mounted or ground-mounted
- P65 outdoor design
- Remote firmware upgrade
- Modular design, scalable up to 25.0kWh
- 90% Depth of discharge

B2-5.0-HV1 | B2-10.0-HV1 | B2-15.0-HV1 | B2-20.0-HV1 | B2-25.0-HV1  
B2-5.0-HV5 | B2-10.0-HV5 | B2-15.0-HV5 | B2-20.0-HV5 | B2-25.0-HV5

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MODEL	B2-5.0-HV1	B2-10.0-HV1	B2-15.0-HV1	B2-20.0-HV1	B2-25.0-HV1
<b>Battery Module</b>	<b>BU2-5.0-HV1 (32S1P 102.4V50Ah)</b>				
No. of Modules	1	2	3	4	5
Rated Energy [kWh]	5.0	10.0	15.0	20.0	25.0
Depth of Discharge	Max.95% DOD				
Dimension (H*W*D)[mm]	261*626*365	522*626*365	783*626*365	1044*626*365	1305*626*365
Weight [kg]	50.5	101	151.5	202	252.5
Nominal Voltage [V]	102.4	204.8	307.2	409.6	512
Operating Voltage [V]	89.6-115.2	179.2-230.4	268.8-345.6	358.4-460.8	448-576.0
Max. Charge Current [A]	30				
Max. Discharge Current [A]	30				
<b>Control Module</b>	<b>BC2-HV1</b>				
Dimension (H*W*D)[mm]	220*626*365				
Weight [kg]	11				
<b>General Parameters</b>					
Ingress Protection	IP65				
Mounting	Wall-Mounted (optional)/ Ground-Mounted				
Operating Temperature Range	-10~50°C				
Ambient Humidity	0 ~ 95% non-condensing				
Cooling Method	Natural convection				
Communication	CAN				
Warranty [Year]	5/10				
Applicable Standard	IEC 62619(Cell&Pack), EN 62477-1, EN 61000-6-1/2/3/4, UN38.3				

MODEL	B2-5.0-HV5	B2-10.0-HV5	B2-15.0-HV5	B2-20.0-HV5	B2-25.0-HV5
<b>Battery Module</b>	<b>BU2-5.0-HV5 (32S1P 102.4V50Ah)</b>				
No. of Modules	1	2	3	4	5
Rated Energy [kWh]	5.0	10.0	15.0	20.0	25.0
Depth of Discharge	Max.95% DOD				
Dimension (H*W*D)[mm]	261*626*365	522*626*365	783*626*365	1044*626*365	1305*626*365
Weight [kg]	52.5	105	157.5	210	262.5
Nominal Voltage [V]	102.4	204.8	307.2	409.6	512
Operating Voltage [V]	89.6-115.2	179.2-230.4	268.8-345.6	358.4-460.8	448-576.0
Max. Charge Current [A]	30				
Max. Discharge Current [A]	30				
<b>Control Module</b>	<b>BC2-HV1</b>				
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Ingress Protection	IP65				
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