

# B3 5.0kWh Low Voltage Battery

---

The B3 series low-voltage batteries in BESS can not only effectively reduce the household's dependence on the power grid, but also optimize the use of household energy, thereby reducing electricity bills.



- ❑ Wall-mounted or ground-mounted
- ❑ Modular design scalable up to 76.8kWh
- ❑ LiFePO4 batteries, safe and reliable
- ❑ Remote firmware upgrade(only SAJ inverter)
- ❑ Support 1C charge and discharge rate

B3-5.0-LV

---

MODEL	B3-5.0-LV
<b>Electrical Parameters</b>	
Total Energy Capacity [kWh]	5.12
Usable Capacity [kWh]	4.6
Rated Voltage [V]	51.2
Voltage Range [V]	45.6 ~ 56.2
Depth Of Discharge [DOD]	≤ 90%
Max. Charge Current [A]	100
Max. Discharge Current [A]	100
Parallel	Yes (≤15pcs)
<b>Physical Parameters</b>	
Battery Type	LiFePO4
Communication	CAN/RS485
Operating Temperature Range	Charging: 0 ~ 50°C; Discharging: -20 ~ 60°C
Cycle Life	≥6000 (25°C±2°C,0.5C/0.5C,80%DOD,70%EOL)
Cooling Method	Natural convection
Ambient Humidity	0 ~ 95% non-condensing
Altitude[m]	≤2000
Ingress Protection	IP21
Dimensions [H*W*D][mm]	500*442*142
Weight [kg]	42
Warranty [Year]	5/10(optional)
Applicable Standard	IEC 62619, UN38.3

