

B3 series 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 |
|------------------------------|---|
| Electrical Parameters | |
| 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) |
| Physical Parameters | |
| 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 |

