

# 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                           |  |

