

BX51100

BX51100 adopts economic design, and is tailor-made for residential & light commercial. This LFP battery module supports remote update and APP monitoring and provides multiple installation options - wall-mounted, floor-standing and stack. It is scalable from 5.12 - 153 kWh (max. 30 modules in parallel), providing various energy storage options to meet different requirements.



APP Monitoring (optional)
Real-time monitoring
& Remote upgrade available



Module Design
Flexible expansion



Various Mounting Methods
Wall-mounted,
floor-standing and stacked



High Safety LFP
Cell level monitoring and balancing



Wide Compatibility
Matching with leading inverters

Technical Specifications

| Model | BX51100 |
|----------------------------------------|------------------------------------------------------------------------------|
| Battery Type | LiFePO4 |
| Nominal Battery Energy | 5.12 kWh |
| Nominal Capacity | 100Ah |
| Nominal Voltage | 51.2V |
| Operating Voltage | 44.8 ~ 57.6V |
| Recomended Charge & Discharge C Rate | 0.5C |
| Recommended Charge/Discharge Current | 50A |
| Max Continous Charge/Discharge Current | 75A |
| Peak Power Charge/Discharge Current | 100A (15s) |
| Depth of Discharge (DOD) | 90% |
| Net Weight | 50kg |
| Dimension[W*D*H] | 558*545*150mm |
| Charging Temp. Range | 0~55°C |
| Discharging Temp. Range | -20~55°C |
| Communication | CAN/RS485/RS232 |
| Cycle Life ^[1] | ≥6000 Cycles |
| Protection Level | IP20 |
| Expansion | Up to 30 units in parallel |
| Pros | Can be used in both off-grid and hybrid setups, compact design |
| Certification & Safety Standard | UN38.3/CE-EMC/GOST-R/IEC62619/IEC60730 |
| Compatible inverters | Goodwe/Victron/Imeon/Solis/Luxpower/Growatt /GMDE/Sofar/Voltronic/Deye, etc. |

[1]Test conditions: 0.5C Charging/Discharging, @25°C, 80% DOD