

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.



1C

High power supply
ability with 1C discharge rate



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
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max Power Charge/Discharge Current	Charge 75A Discharge 100A ^[1]
Peak Power Charge/Discharge Current	110A (protect)
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 ^[2]	≥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]100A applies to upgraded products.

[2]Test conditions: 0.2C Charging/Discharging, @25°C, 80% DOD

Note: This specification only suitable for South Africa market.