

# 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
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max Power Charge/Discharge Current	Charge 75A    Discharge 100A <sup>[1]</sup>
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 <sup>[2]</sup>	≥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.