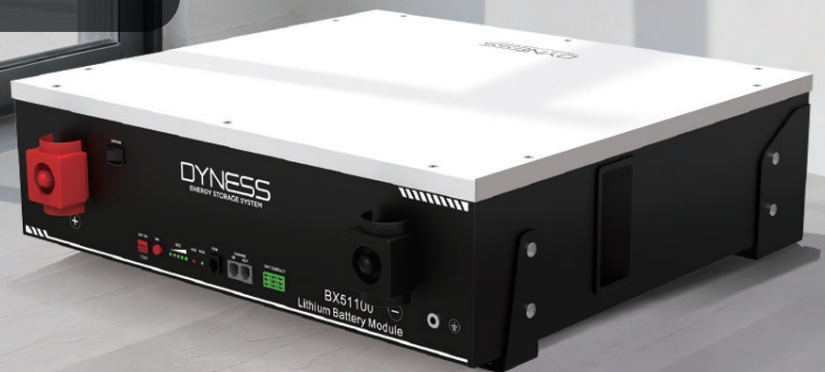


BX51100

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.



Flexible Expansion

Up to 30 units in parallel,
5.12kWh--153.6kWh capacity



Various Mounting Methods

Wall-mounted, floor-standing
and stacked



APP Monitoring

Real-time monitoring & Remote
upgrade available (optional)



High Safety LFP

Cell level monitoring and
balancing, 6000+cycles

Model	BX51100
Battery Type	LiFePO ₄
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommended Charge/Discharge C Rate	0.5C
Maximun Discharge C Rate	1C
Recomended Charge/Discharge Current	50A
Max Continous Charge Current	75A
Max Continous Discharge Current	100A
Round Trip Efficiency	≥92%
Peak Power Charge/Discharge Current	110A(protect)
Short-circuit Current	400A
Depth of Discharge (DOD)	90%
Net Weight	50kg
Dimension[W/D/H]	558/545/150mm
Charging Temp. Range	0~55°C
Operating Temperature	0°C~55°C/-20°C~55°C(optional)
Storage Temperature[2]	-10°C~45°C
BMS Brand	Dyness
BMS Model	bms_main_V6C
Communication	CAN/RS485
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/IEC62619
Compatible inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Solplanet/Luxpower/DEYE etc.

[1] Test conditions: 0.2C Charging& Discharging. @25°C, 90% DOD

[2] Recharge every six months.

