

# BX51100

Safe and Reliable · Higher Efficiency · Floor and Wall-mounted · Flexible Expansion

Dyness BX51100 adopts economic design, tailored for residential and light commercial applications.



## Expandable

30 modules in parallel with capacity up to 153.6 kWh



## Larger Energy Capacity

5.12kWh per unit



## Wide Temperature Range

Range of -20~55 °C



## High Safety

Cell level monitoring and balancing



## Various Installation Options

Floor-standing, wall-mounted and stack



## Wide Compatibility

Matching with leading inverter brands

# 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)	95%
Net Weight	53kg
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>[1]</sup>	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 30 units in parallel
Color	White
Alarms	Overcharge/Overdischarge/Overcurrent/Overtemperature/Short Circuit
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	TUV/CE/IEC62619/UN38.3
Compatible inverters	Goodwe/Victron/Imeon/Solis/Luxpower/Growatt /GMDE/Sofar/Voltronic/Deye, etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 95% DOD