




BX51100

ENERGY STORAGE SOLUTIONS

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


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

Features and Advantages



Expandable

40 modules in parallel with capacity up to 204.8kWh



Larger Energy Capacity

5.12kWh per unit




Wide Temperature Range

Range of -20~55℃



High Safety

Cell level monitoring and balancing



Various Installation Options

Floor-standing, wall-mounted and stack



Wide Compatibility

Matching with leading inverter brands

Technical Parameters

Model	BX51100
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Charging Cut-off vol.	57.6V
Discharging End-of vol.	44.8V
Recommended C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max. Power Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A(15s)
Depth of Discharge	90%
Net Weight	53kg
Dimension[W*D*H]	558*545*150mm
Charging Temp. Range	0~55℃
Discharging Temp. Range	-20~55℃
Communication	CAN/RS485/RS232
Warranty	10 Years
Warranty Document Supplied	Yes
Calendar Life ^[1]	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 40 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
Compatible Inverters	Goodwe/Victron/Imeon/Solis/Luxpower/Growatt/GMDE/Sofar/Voltronic/Deye etc.
Certification & Safety Standard	TUV/CE/IEC62619/UN38.3

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