



BX51100

ENERGY STORAGE SOLUTIONS

Safe and Reliable · Higher Efficiency · Floor and Wall Mount · Flexible Expansion
Dyness BX51100 adopts economic design, is tailor-made for residential and light commercial.

Features and advantages



Expandable
Up to 40 units in parallel



Larger capacity module
5.12kWh per unit



Wide Working Temperature
°C Range of -20~50



High Safety
Cell level monitoring and balancing



Various Installation Options
Floor-standing, wall-mounted and stack



Wide Compatibility
Matching with leading inverter brand

Technical Parameters

Model	BX51100
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Battery Capacity	100 Ah
Nominal Voltage	51.2V
Working Voltage	44.8~57.6V
Recommended Charge/Discharge Current	50A
Max. Power Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A(15s)
Communication	CAN / RS485
Dimension[W*D*H]	558*545*150mm
Net Weight	50Kg
Charging Temp. Range	0-50°C
Discharging Temp. Range	-20-50°C
Max.Discharge Power	3.84kW
Protection Level	IP20
Warranty	10 Years
^[1] Calendar Life	6000 Cycles
Certification & Safety Standard	CE/UN38.3
Compatible Inverters	Goodwe/SMA/Victron/Imeon/Solis/Luxpower/Growatt/SAJ/Voltronic/Deye etc.
Pros	Can be used in both off-grid and hybrid setups, compact design
Scalability	Up to 40 modules in parallel

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