



# 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**

Range of -20~50°C



**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
Calendar Life <sup>[1]</sup>	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