



# B51100

ENERGY STORAGE SOLUTIONS

The B51100 has a larger capacity design that is suitable for both residential and commercial storage applications.

## Features and Advantages



**APP Monitoring**  
Remote upgrade available



**Larger Capacity Base**  
5.12kWh per unit



**High Safety LFP**  
Cell level monitoring and balancing



**Wide Compatibility**  
Matching with leading inverter brands

## Technical Parameters

Model	B51100
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%
Weight	44kg
Dimension[W*D*H]	481*535*140mm
Charging Temp. Range	0~55°C
Discharging Temp.Range	-20~55°C
Communication	CAN/RS485
Warranty	10 Years
Warranty Document Supplied	Yes
Calendar Life <sup>[1]</sup>	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 40 units in parallel
Pros	Can be used in both off-grid and hybrid setups, compact design
Compatible Inverters	Victron/SMA/Goodwe/Imeon/Solis/SAJ/Growatt/Luxpower/Voltronic/Deye etc.
Certification & Safety Standard	TUV/CE/IEC62619/UN38.3

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