



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 ^[1]	≥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