

# B51100

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



**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 inverters

# Technical Specifications

Model	B51100
Battery Type	LiFePO4
Nominal Battery Energy	5.12 kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8 ~ 57.6V
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max Continous Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A (15s)
Depth of Discharge (DOD)	90%
Net Weight	44kg
Dimension[W*D*H]	481*535*140mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
Cycle 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
Certification & Safety Standard	TUV/CE/IEC62619/UN38.3
Compatible inverters	Victron/SMA/Goodwe/Imeon/Solis/SAJ/Growatt/ Luxpower/Voltronic/Deye etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 90% DOD