

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 ^[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
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