



B48100

ENERGY STORAGE SOLUTIONS

Dyess B48100 adopts modular design, tailor-made for residential application.
Safe and Reliable · Higher Efficiency · Compact Design · Flexible Expansion

Features and Advantages



High Safty LFP
LFP & smart BMS



Modular Design
Quick installation



Wide Temperature Range
Range of -20~55°C



Expandable
Up to 40 units in parallel



Natural Cooling
Optional heat/fan configuration



Easy to Install
Pull ear design

Technical Parameters

Model	B48100
Battery Type	LiFePO4
Nominal Battery Energy	4.8kWh
Battery Capacity	100Ah
Nominal Voltage	48V
Working Voltage	42-54V
Recommended Charge/Discharge Current	50A
Max.Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A(15s)
Depth of Discharge	90%
Net Weight	≈42.5kg
Dimension[W*D*H]	480*405*178mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS48
Warranty	10 Years
Warranty Document Supplied	Yes
Calendar Life ^[1]	≥6000 Cycles
Protection Level	IP20
Expansion	40 modules paralleled at most
Alarms	Overcharge/Overdischarge/Overcurrent/ Overtemperature/Short Circuit
Pros	Can be used in both off-grid and hybrid setups, compact design, floor or wall mount
Compatible Inverters	Goodwe/Victron/Imeon/Solis/Luxpower/ Growatt/GMDE/Sofar/Voltronic/Deye etc.
Certification & Safety Standard	TUV/CE/UN38.3/IEC62619

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