

# B4850

The DYNESS battery B4850 module is widely used in energy storage sector. It adopts modular design and can be used for residential applications. The reliable LiFePO4 technology ensures maximum safety and a longer life cycle.



**Module Design**  
Flexible expansion



**Easy Installation**  
Stackable with flexible brackets



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



**Wide Compatibility**  
Matching with leading inverters

# Technical Specifications

Model	B4850
Battery Type	LiFePO4
Nominal Battery Energy	2.4kWh
Nominal Capacity	50Ah
Nominal Voltage	48V
Operating Voltage	42~54.75V
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	25A
Max. Power Charge/Discharge Current	50A
Peak Power Charge/Discharge Current	55A(Protect)
Depth of Discharge (DOD)	90%
Net Weight	22kg
Dimension[W*D*H]	480*405*90mm
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	UN38.3/CE-EMC/EC62619/IEC62040/CEC Accredited /CEI-021/UL1973/REACH/ROHS/UKCA/GOST-R
Compatible Inverters	SMA/Victron/Ingeteam/Delios/Goodwe/Solis /Deye/SAJ/Voltronic/Sungrow etc.

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