



**B4850** 

**ENERGY STORAGE SOLUTIONS** 

Dyness B4850 adopts modular design, tailored for residential application.

Safe and Reliable · Higher Efficiency · Compact Design · Flexible Expansion

## **Features and Advantages**



High Safety LFP
Cell level monitoring and balancing



19" inch
Easy installation & maintenance



Wide Temperature Range

Range of -20~55°C



Expandable
40 modules in parallel with

capacity up to 96kWh

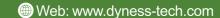


Modular Design
Flexible expansion



Easy to Install
Plug and play







## **Technical Parameters**

Model	B4850
Battery Type	LiFePO4
Nominal Battery Energy	2.4kWh
Nominal Capacity	50Ah
Nominal Voltage	48V
Charging Cut-off vol.	54V
Discharging End-of vol.	42V
Recommended 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	90%
Net Weight	22kg
Dimension[W*D*H]	480*360*90mm
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
Alarms	Overcharge/Overdischarge/Overcurrent/ Overtemperature/Short Circuit
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/EN62619/IEC62040/UN38.3/ CEC Accredited/UL1973/CEI-021

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

Power You Day and Night







