



B4850

**ENERGY STORAGE SOLUTIONS** 

Dyness B4850 adopts modular design, tailor-made 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 of -20~50°C



Expandable
Up to 40 units in parallel

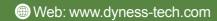


Modular Design
Flexible expansion



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
Recommend C Rate	0.5C
Recommended Charge/Discharge Current	25A
Max. Power Charge/Discharge Current	50A
Peak Power Charge/Discharge Current	55 (1s)
Net Weight	22kg
Dimension[W*D*H]	480*360*90mm
Charging Temp. Range	0-50°C
Discharging Temp. Range	−20-50°C
Communication	CAN / RS485
Warranty	10 Years
Calendar Life [1]	>6000 Cycles
Protection Level	IP20
Scalability	Up to 40 units in parallel
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: 0.2 C Charging/Discharging, @25°C, 80% DOD







