



# 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 <sup>[1]</sup>	>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: 0.2C Charging/Discharging, @25°C, 80% DOD