



# 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]	481x405x90mm
Charging Temp. Range	0~55°C
Discharging Temp.Range	-20~55°C
Communication	CAN/RS485
Warranty	10 Years
Warranty Document Supplied	Yes
Calendar Life <sup>[1]</sup>	≥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