



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