

B4850

Low voltage lithium batteries

B4850 - 2.4 kWh Modules

Dyness B4850 lithium battery adopts modular design, tailor-made for residential application.

Technical specifications:

- **High safety LFP** with cell level monitoring and balancing;
- Wide working temperature;
- Modular design and **easy to install**;
- Possibility to connect multiple battery modules in parallel, up to 40 units, to expand capacity and power;
- Can be used in both off-grid and hybrid setups;
- **10 years warranty.**

Dimensions:

Width: 480 mm
Height: 90 mm
Depth: 360 mm
Weight: 22 kg



Technical data

Lithium Battery

Model	B4850
Item code	90040500
ELECTRICAL DATA	
Cell technology	LiFePO4
Nominal voltage [V]	48
Nominal capacity [kWh/Ah]	2.4/ 50
Depth of discharge DoD [%]	90
Usable capacity [kWh/Ah]	2.16/45
Recommend C-Rate [C]	0.5
Recommended charge/discharge current [A]	25
Max. power charge/discharge current [A]	50
Peak power charge/discharge current [A]	55 (1s)
Charging cut-off vol. [V]	54
Discharging end-of vol. [V]	42
BUS	
Communication Bus	CAN, RS485
DIMENSIONS AND WEIGHT	
Width [mm]	480
Height [mm]	90
Depth [mm]	360
Weight [kg]	22
GENERAL DATA	
Charge working temperature [°C]	0 ~ 50
Discharge working temperature [°C]	-20 ~ 50
Protection degree	IP20
Operation life [years]	15+
Life cycles	>6000
Scalability	Up to 40 units in parallel
Compatible inverters	Victron, SMA, Goodwe, Imeon, Solis, zeroCO ₂ , SAJ, Growatt, Luxpower, Voltronic, Deye ecc.
Certification	TÜV, CE, UN38.3, UL1973, CEI-021
EMC Standard	EN62619, IEC62040, CEC Accredited

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