

B4850

B4850 is a low-voltage energy storage battery designed for home applications. It features a modular design that supports up to 40 parallel units and an energy capacity range from 2.4 kWh to 96 kWh. It can be installed using stackable brackets, ensuring reliable and efficient home energy consumption.



Flexible Expansion

Up to 40 units in parallel,
2.4kWh--96kWh capacity



Easy Installation

Standardized 19-inch 2U chassis design,
Installation by one person



Battery Equalization

Support extreme mixing of modules at
0% and 100% charge



All-round Safety

Short-circuit lockout, surge-resistant,
safe and reliable

Model	B4850
Battery Type	LiFePO ₄
Nominal Battery Energy	2.4 kWh
Nominal Capacity	50Ah
Nominal Voltage	48V
Operating Voltage	42~54.75V
Recommended Charge & Discharge 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 (DOD)	90%
Net Weight	22 kg
Dimension[W/D/H](mm)	480/360/90 480/405/90
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
Cycle Life *	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 40 units in parallel
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/CEC Accredited/CEI-021/UL1973/REACH/ROHS/UKCA/GOST-R
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.

* Test conditions: 0.2C Charging & Discharging, @25°C, 90% DOD

