

B51 100

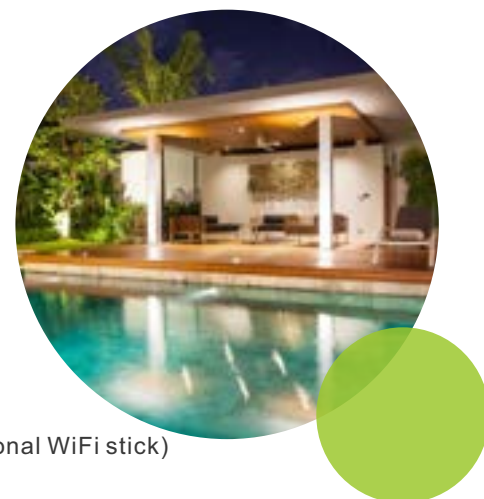


SPECIFICATION

Model	B51100
Module Type	LFP
Nominal Voltage [V]	51.2
Work Voltage Range [V]	44.8~57.6
Nominal Capacity [Ah]	100
Nominal Energy [KWh]	5.12
Recommended Charge/Discharge Current [A]	50
Max.Power Charge/Discharge Current [A]	75
Peak Power Charge/Discharge Current [A]	100(15s)
Charge Voltage (Vdc)	56~57.6
Communication port	CAN/ RS485/ RS232
Max.Dimension [mm]	550(L)*481(W)*140(H)
Weight [kg]	≈43
Discharge condition [°C]	-20~50
Charge condition [°C]	0~50
Max. Discharge Power [kW]	3.84
Enclosure Protection (IP)	IP20
Warranty	10 years
Calendar Life ^[1]	6000 Cycles
Certification & Safety Standard	TUV/CE/IEC62619/UN38.3
Compatible Inverters	Goodwe Victron Imeon Solis Luxpower Growatt GMDE Sofar Voltronic Deye More brands will be announced
Pros	Can be used in both off-grid and hybrid setups, compact design, floor or wall mount
Monitoring & Protection	Each system has intelligent BMS, and breaker embedded in system
Configuration	40 modules parallel at most

Features and advantages

- LiFePO4 battery, Safe, Longer life span
- Modular design, Easy to stack, Quick installation
- Larger energy capacity
- Natural cooling with optional heat/fan configuration
- Wide temperature range of -20~50 °C
- OTA Function: Remote monitoring and upgrade (Requires optional WiFi stick)



[1] Test conditions: 0.2C Charging/Discharging, @25°C, 80% Dod

Dyness B4850

Battery module

Intelligent

Safe

Modular



【Intelligent】

- Each module is equipped with an independent BMS system

【Compact design】

- Weight/Kg 22
- Size/mm 480 * 360 * 90
- Practical pull ear design improves operation convenience

【Safe】

- Safe lithium iron phosphate battery cell
- Compact size ultralight module

【Intelligent management】

- Dyness is equipped with intelligent BMS for each battery pack to manage modules effectively.
- Compared with the traditional module, B4850 can meet the capacity storage and greatly enhance the cycle life.

【Application】

- The Dyness battery B4850 module is widely used in energy storage and electrical products. Household energy storage systems; Centralized power station energy storage system.

Intelligent · Safe · Modular



SPECIFICATION

Model	B4850
Battery Type	LiFePO4
Nominal Battery Energy	2.4kWh
Nominal Capacity	50Ah
Nominal Voltage	48V
Charging Cut-off vol.	54V
Discharging End-off vol.	40.5V
Recommend C Rate	0.5C
Continuous Max C Rate	1C
Net Weight	22Kg
Dimension [W*D*H]	480*360*90mm
Charging Temp. Range	0 ~ 50°C
Discharging Temp. Range	-20 ~ 50°C
Calendar Life ^[1]	6000 Cycles
Protection Level	IP20
Communication	CAN / RS485 / DRY CONTACT
Certification & Safety Standard	TUV/CE/EN62619/IEC62040/UN38.3/CEC Accredited
Warranty	10 Years

[1] Test conditions: 0.2C Charging/Discharging, @25°C, 80% DOD