



B3

ENERGY STORAGE SOLUTIONS

Dyness B3 adopts high-safety LFP, with a 19-inch modular design for easy installation and maintenance. It has a built-in intelligent BMS protection system and flexible expansion.

Features and Advantages



Modular Design
Flexible expansion



19" inch
Easy installation & maintenance



High Safety LFP
Cell level monitoring and balancing



Wide Compatibility
Matching with leading inverter brands

Technical Parameters

Model	B3
Battery Type	LiFePO4
Nominal Battery Energy	3.6kWh
Nominal Capacity	75Ah
Nominal Voltage	48V
Charging Cut-off vol.	54V
Discharging End-of vol.	42V
Recommended C Rate	0.5C
Recommended Charge/Discharge Current	37.5A
Max. Power Charge/Discharge Current	45A
Peak Power Charge/Discharge Current	55A(1s)
Depth of Discharge	90%
Net Weight	≈31kg
Dimension[W*D*H]	480*360*130mm
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/IEC62619/IEC62040/UN38.3

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