

B3

With a 19" inch modular design and built-in intelligent BMS protection system, Dyness B3 enables flexible expansion and easy installation & maintenance. It adopts LiFePO4 technology for maximum safety and longer cycle life.



Module Design
Flexible expansion



Easy Installation
Stackable with flexible brackets



High Safety LFP
Cell level monitoring and balancing



Wide Compatibility
Matching with leading inverters

Technical Specifications

Model	B3
Battery Type	LiFePO4
Nominal Battery Energy	3.6kWh
Nominal Capacity	75Ah
Nominal Voltage	48V
Operating Voltage	42~54.75V
Recommended Charge & Discharge 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 (DOD)	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
Cycle Life ^[1]	≥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/IEC62040/IEC62619/GOST-R /UKCA/CEC Accredited/CEI-021
Compatible Inverters	SMA/Victron/Ingeteam/Delios/Goodwe/Solis /Deye/SAJ/Voltronic/Sungrow etc.

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