

## 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	50A
Peak Power Charge/Discharge Current	55A(protect)
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 <sup>[1]</sup>	≥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, 90% DOD