



# A48100

ENERGY STORAGE SOLUTIONS

Safe and Reliable · Higher Efficiency · Floor and Wall Mount · Flexible Expansion  
Dyness A48100 adopts economic design, tailor-made for residential and light commercial.

## Features and advantages



**Expandable**

Up to 40 units in parallel



**Larger capacity base**

4.8kWh per unit



**Wide Working Temperature**

Range of -20~50°C



**High Safety**

Cell level monitoring and balancing



**Various Installation Options**

Floor-standing, wall-mounted and stack



**Wide Compatibility**

Matching with leading inverter brands

## Technical Parameters

Model	A48100
Battery Type	LiFePO4
Nominal Battery Energy	4.8 kWh
Battery Capacity	100 Ah
Nominal Voltage	48 V
Charging Cut-off vol.	54V
Discharging End-of vol.	42V
Recommended C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max.Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A(15s)
Net Weight	45kg
Dimension[W*D*H]	504*597*155mm
Charging Temp. Range	0-50°C
Discharging Temp. Range	-20-50°C
Communication	CAN / RS485
Warranty	10 Years
Warranty Document Supplied	Yes
Calendar Life <sup>[1]</sup>	>6000 Cycles
Protection Level	IP20
Scalability	Up to 40 units in parallel
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	CE/UN38.3

[1]Test conditions:0.1C Charging/Discharging,@25°C,80% DOD