



A48100

ENERGY STORAGE SOLUTIONS

Safe and Reliable · Higher Efficiency · Floor and Wall-mounted · Flexible Expansion
Dy Ness A48100 adopts economic design, tailor-made for residential and light commercial applications.

Features and Advantages



Expandable

40 modules in parallel with capacity up to 192kWh



Larger Capacity Base

4.8kWh per unit



Wide Temperature Range

Range of -20~55°C



High Safety

Cell level monitoring and balancing



Various Installation Options

Floor-standing, wall-mounted and stacked



Wide Compatibility

Matching with leading inverter brands

Technical Parameters

Model	A48100
Battery Type	LiFePO4
Nominal Battery Energy	4.8kWh
Nominal Capacity	100Ah
Nominal Voltage	48V
Charging Cut-off vol.	54.75V
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)
Depth of Discharge	90%
Net Weight	≈45kg
Dimension(W*D*H)	504*597*155mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Warranty	10 Years
Warranty Document Supplied	Yes
Calendar Life ^[1]	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 40 units in parallel
Color	White
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	CE/UN38.3, CEI-021 undergoing

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