



M48100

ENERGY STORAGE SOLUTIONS

Safe and Reliable · Higher Efficiency · Floor and Wall Mount · Flexible Expansion
M48100 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 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 leading inverter brands

Technical Parameters

Model	M48100
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	5 Years
Warranty Document Supplied	Yes
Calendar Life ⁽¹⁾	≥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:0.2C Charging/Discharging,@25°C,80% DOD