

# A48100

This 4.8kWh LFP module supports both floor-standing and wall-mounted installations. It is equipped with OTA function for remote upgrade and monitoring.

Up to 30 modules in parallel, it can meet various needs of users and enable flexible expansion.



**APP Monitoring (optional)**  
Real-time monitoring  
& Remote upgrade available



**Module Design**  
Flexible expansion



**Various Mounting Methods**  
Wall-mounted,  
floor-standing and stacked



**High Safety LFP**  
Cell level monitoring and balancing



**Wide Compatibility**  
Matching with leading inverters

# Technical Specifications

Model	A48100
Battery Type	LiFePO4
Nominal Battery Energy	4.8kWh
Nominal Capacity	100Ah
Nominal Voltage	48V
Operating Voltage	42 ~ 54V
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max Continuous Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A (15s)
Depth of Discharge (DOD)	90%
Net Weight	45kg
Dimension[W*D*H]	504*597*155 mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life <sup>[1]</sup>	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 30 units in parallel
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC60730/CEI-021/GOST-R/UKCA
Compatible Inverters	SMA/Victron/Ingeteam/Delios/Goodwe/Solis /Deye/SAJ/Voltronic/Sungrow etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 90% DOD