DYNESS

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
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max Continous 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[1]	≥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

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