



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

Module Design
Flexible expansion

High Safety LFP
Cell level monitoring and balancing

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

Wide Compatibility
Matching with leading inverters

Technical Specifications

Model	A48100
Battery Type	LiFePO4
Nominal Battery Energy	4.8 kWh
Nominal Capacity	100Ah
Nominal Voltage	48V
Operating Voltage	42 ~ 54V
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max. Power Charge/Discharge Current	75A
Peak Power Charge/Discharge Current	100A (15s)
Depth of Discharge (DOD)	90%
Net Weight	45 kg
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



Dyness DL5.0C adopts economic design, and is tailor-made for residential and small commercial application. This LFP battery module supports remote upgrade and APP monitoring, and provides multiple installation methods. It is scalable from 5.12kWh to 256kWh (max. 50 modules in parallel), providing various energy options to meet different requirements.

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

Support Battery Charge (optional) & Discharge under low ambient temperature

Various Mounting Methods
Wall-mounted, floor-standing and stacked, flexible expansion

High Safety LFP
Cell level monitoring and balancing

Wide Compatibility
Matching with leading inverters

Technical Specifications

Model	DL5.0C
Battery Type	LiFePO4
Nominal Battery Energy	5.12 kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8 ~ 57.6V
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge C rate	1C
Recommended Charge/Discharge Current	50A
Max. Power Charge/Discharge Current	Charge 75A Discharge 100A
Peak Power Charge/Discharge Current	110A (15s)
Depth of Discharge (DOD)	90%
Net Weight	54 kg
Dimension[W*D*H]	558*545*150 mm
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life ^[1]	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 50 units in parallel
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021
Compatible Inverters	SMA/Victron/Ingeteam/Delios/Goodwe/Solis/Deye/SAJ/Voltronic/Sungrow etc.

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