

# DL5.0C

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 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	DL5.0C
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommended Charge & Discharge C Rate	0.5C
Maximum Discharge C rate	1C
Recommend Charge/Discharge Current	50A
Max Continuous Charge Current	75A
Max Continuous Discharge Current	100A
Peak Power Charge/Discharge Current	110A (15s)
Depth of Discharge (DOD)	90%
Net Weight	54kg
Dimension[W*D*H]	558*545*150mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/R232
Cycle Life <sup>[1]</sup>	≥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, 80% DOD