

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
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge C rate	1C
Recommend Charge/Discharge Current	50A
Max Continous Charge Current	75A
Max Continous 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 ^[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, 80% DOD