



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



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	5.12 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℃	
Discharging Temp. Range	-20~55℃	
Communication	CAN/RS485/RS232	
Cycle Life	≥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℃, 80% DOD