



DL5.0C

ENERGY STORAGE SOLUTIONS

DYNESS DL5.0C adopts economic design, and is tailor-made for residential & light commercial. This LFP battery module supports remote update and APP monitoring and provides multiple installation options - wall-mounted, floor-standing and stack. It is scalable from 5.12 - 256 kWh (max. 50 modules in parallel), providing various energy storage options to meet different requirements.

Features and advantages



APP Monitoring(Optional)

Real-time monitoring
Remote upgrade available



Modular Design

Flexible expansion



Wide Compatibility

Matching with leading
inverter brands



Various Mounting Methods

Wall-mounted, floor-standing
and stack



High Safety LFP

Cell level monitoring
and balancing

Technical Parameters

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 C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max. Power Charge Current	75A
Max. Power Discharge Current	100A
Peak Power Charge/Discharge Current	110A(15s)
Depth of Discharge	85%
Net Weight	54kg
Dimension[W*D*H]	558*545*150mm
Charging Temp. Range	0~55℃
Discharging Temp. Range	-20~55℃
Communication	CAN/RS485/RS232
Cycle Life ^[1]	≥6000 Cycles
Protection Level	IP20
Warranty	10 Year
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