

## DL5.0X

DYNESS battery DL5.0X is tailor-made for residential and light C&I in the South African market. The DL5.0X has a high discharge rate of 1.5C, providing users with greater flexibility when using high-power loads off-grid. This LFP battery supports remote software update and APP monitoring and provides multiple installation methods-wall mounted, floor-standing, and stacked. It is scalable from 5.12-256kWh (max.50 modules in parallel), providing various energy storage 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, stacked.



**High Safety LFP**  
Cell level monitoring and balancing



**Wide Compatibility**  
Matching with leading inverters

# Technical Specifications

Model	DL5.0X
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
Maximum Discharge C rate	1.5C
Recommend Charge/Discharge current	50A
Max. Power Charge Current	75A
Max. Power Discharge Current	150A
Peak Power Charge/Discharge Current	160A (15s)
Depth of Discharge (DOD)	90%
Net Weight	53kg
Dimension[W*D*H]	558*545*150 mm
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
Certification & Safety Standard	UN38.3
Compatible inverters	SMA,/Vinctron/Ingeteam/Delios/Goodwe/ Solis/Deye/SAJ/Voltronic/Sungrow etc.

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

