

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 and 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
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge C Rate	1.5C
Recommend Charge/Discharge Current	50A
Max Continous Charge Current	75A
Max Continous Discharge Current	150A
Peak Power Charge/Discharge Current	160A(15s)
Depth of Discharge (DOD)	90%
Net Weight	53kg
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
Certification & Safety Standard	UN38.3
Compatible inverters	SMA/Victron/Ingeteam/Delios/Goodwe/ Solis/Deye/SAJ/Voltronic/Sungrow etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 80% DOD