

DL5.0C

DL5.0C is designed for residential and small commercial applications, with up to 50 units in parallel and an energy range from 5.12 kWh to 256 kWh. It supports 1C discharge rate. With high cycle times and a long lifespan, it ensures worry-free electricity consumption.



Flexible Expansion

Up to 50 units in parallel,
5.12kWh--256kWh capacity



1C Discharge

Simultaneously supplying power to
multiple loads, no need to worry
about power outages



Automatic Self-heating

-20°C to 55°C operating
temperature (optional)



Easy Installation

Support wall-mounted, floor-mounted,
stacked and rack-mounted installations,
high space utilization



Long-term Reliability

LFP cells, 6000+ cycles



All-round Safety

Short-circuit lockout, surge-resistant,
safe and reliable

Model	DL5.0C
Battery Type	LiFePO ₄ (LFP)
Nominal Battery Energy	5.12kWh
Usable Battery Energy	4.608kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C (50A)
Max. Charge C Rate	0.75C (75A)
Max. Discharge C Rate	1C (100A)
Peak Discharge Current (25°C)	110A, 15s
Recommended Charge & Discharge Power	2.56kW
Max. Charge Power	3.84kW
Max. Discharge Power	5.12kW
Depth of Discharge (DOD)	90%
Charge Temp. Range	0~55°C/-20~55°C (optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	49.9kg
Dimension[W/D/H]	558/545/150mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life ^[1]	≥6000 Cycles
User Interface	WIFI+APP(optional)
Installation ^[2]	Wall-mounted,Rack-mounted, Floor-mounted
Expansion	Up to 50 units in parallel
Warranty Period ^[3]	10 Years
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/Deye/Apsystem etc.

[1] Test conditions: 0.2C Charging& Discharging, 25°C, 90% DOD, 70%EOL

[2] Simple bracket installation, supporting a maximum of 8 modules.

[3] Refer to Dyness Warranty Letter

