

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	$LiFePO_4$
Nominal Battery Energy	5.12 kWh
Depth of Discharge (DOD)	100%
Usable Battery Energy *	5.12 kWh
Recommended Charging & Discharging Power	2.56kW
Max. Charging Power	3.84kW
Max. Discharging Power	5.12kW
Round Trip Efficiency	92%
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. Charge/Discharge Current	Charge 75A Discharge 100A
Peak Discharge Current	110A(15s)
Net Weight	49.9kg
Dimension[W/D/H]	558/545/150 mm
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life	≥5000 Cycles, 80%EOL
Protection Level	IP20
WIFI Module	External WIFI module
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Solplanet/Luxpower/DEYE etc.

* Test conditions: 100% (DOD), 0.2C rate charge & discharge at 25°C, at the beginning of life.