

# 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, 10 years  
warranty



## All-round Safety

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

Model	DL5.0C
Battery Type	LiFePO <sub>4</sub>
Nominal Battery Energy	5.12 kWh
Nomina Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge Crate	1C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge 75A Discharge 100A
Peak Discharge Current	110A(15s)
Depth of Discharge (DOD)	90%
Net Weight	54kg
Dimension[W/D/H](mm)	558/545/150
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life *	≥6000 Cycles
Protection Level	IP20
WIFI Module	Optional
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021/GOST-R
Compatible Inverterst	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/SOFAR/SAJ/DEYE etc.

\* Test conditions: 0.2C Charging & Discharging .@25°C, 90% DOD

