

# 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 tempera-  
ture (optional)



## Easy Installation

Support wall-mounted, floor-mount-  
ed, 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/Luxpower/DEYE etc. |

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

