

DL5.0

DL5.0 is ideal for residential and small commercial and industrial applications. It has a modular design and supports 50 units in parallel to have a capacity range from 5.12kWh to 256kWh. It uses high-performance LFP batteries, high security and reliability in order to ensure the user's electricity consumption.



Flexible Expansion

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



Easy Installation

Standardized 19-inch 3U chassis
design, stacked installation



Long-term Reliability

LFP cells, 6000+ cycles,
10 years warranty



Battery Equalization

Supports for mixing modules under
different SOC to ensure battery life



All-round Safety

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

| Model | DL5.0 |
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| Battery Type | Lithium-iron Phosphate (LiFePO ₄) |
| Nominal Battery Energy | 5.12kWh |
| Nominal Capacity | 100Ah |
| Nominal Voltage | 51.2V |
| Operating Voltage | 44.8~57.6V |
| 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) |
| Usable Battery Energy | 4.608kWh |
| Recommended Charging & Discharging Power | 2.56kW |
| Max. Charging Power | 3.84kW |
| Max. Discharging Power | 5.12kW |
| Depth of Discharge (DOD) | 90% |
| Charging Temp. Range | 0°C~55°C |
| Discharging Temp. Range | -20°C~55°C |
| Net Weight | 44kg |
| Dimension[W/D/H] | 481/535/140mm |
| Cycle Life * | ≥6000 Cycles |
| Installation | 19-inch rack-mounted, simple bracket installation |
| Protection Level* | IP20 |
| Communication | CAN/RS485/RS232 |
| Expansion | Up to 50 units in parallel |
| WIFI Module | Optional |
| Certification | UN38.3/CE-EMC/IEC62619/IEC62040/RoHS |
| Compatible Inverters | SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc. |
| Country of Manufacture | China |

* Test conditions: 0.2C Charging& Discharging. @25 °C , 90% DOD, 70%EOL

