



LUX-E Battery Pack

LUX-E-48100LG04



Product Features



LiFePO4:
Higher safe performance
and longer cycle life



Multiple Protection:
Built-in smart
BMS and Breaker



Flexible Installation:
Wall-Mounted or
Floor-Mounted



Wide Compatibility:
Compatible with leading
inverter brands



Aerosol Fire
Extinguishing System



Long Warranty:
10 Years

Specification

| Model | LUX-E-48100LG04 |
|--|------------------------------------|
| Battery Type | LiFePO4 |
| Nominal Energy | 5.12kWh |
| Nominal Capacity | 100Ah |
| Nominal Voltage | 51.2V |
| Operating Voltage | 44.8~57.6V |
| Recommend Charge/Discharge Current | 50A |
| Max.continuous charge/Discharge current[1] | 60A |
| Peak Charge/Discharge Current(15s) | 100A |
| Scalability | Max. 12 PCS in Parallel (61.44kWh) |
| Depth of Discharge(DOD) | ≥ 95% |
| Display type | LED |
| Protection Level | IP65 |
| Working Temperature Range | Charge: 0°C~55°C |
| Working Temperature Range | Discharge:-20°C~55°C |
| Storage Temperature Range | 0°C~+35°C |
| Humidity | 5%~95% |
| Altitude | ≤ 2000m |
| Communication | RS485 / CAN |
| Cycle Life[2] | ≥ 6000 Cycles |
| Installation | Wall-Mounted / Floor-Mounted |
| Protection | Built-in smart BMS, Breaker |
| Warranty Period[3] | 10 Years |
| Product Weight Approximate | 48.5 kg |
| Package Weight Approximate | 64.5 kg |
| Product Dimension | 665x440x175 mm |
| Package Dimension | 760x540x345 mm |

[1] Max. continuous charge/discharge current is affected by temperature and SOC.

[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD.

[3] Conditions apply, refer to FelicityESS Warranty Letter.