

LUX-E Battery Pack

LUX-E-48100/48200/48230/48250LG03



Specification



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



High Scalability



Long Warranty:
10 Years



Built-in WIFI:
Remote monitoring
of battery pack data



Fire
Extinguishing
Gel Inside

| Model | LUX-E-48100LG03 | LUX-E-48200LG03 | LUX-E-48230LG03 | LUX-E-48250LG03 |
|---|--|-------------------|-------------------|-----------------|
| Battery Type | LiFePO4 | | | |
| Nominal Energy | 5.12kWh | 10.5kWh | 11.8kWh | 12.5kWh |
| Nominal Capacity | 100Ah | 205Ah | 230Ah | 250Ah |
| Nominal Voltage | 51.2v | | | |
| Operating Voltage | 44.8-57.6V | | | |
| Recommend Charge/Discharge current | 50A | 100A | 100A | 100A |
| Max. continuous charge/Discharge current[1] | 100A | 150A | 150A | 150A |
| Peak Charge/Discharge current(15s) | 150A | 200A | 200A | 200A |
| Scalability | Max. 15(76.8kWh) | Max. 15(157.4kWh) | Max. 15(176.6kWh) | Max. 15(187kWh) |
| Depth of discharge(DOD) | ≥95% | | | |
| Display type | LCD | | | |
| Protection Level | IP21 | | | |
| Working Temperature Range | Charge:0~+55°C Discharge:-20C~+55°C | | | |
| Storage Temperature Range | 0°C~+35°C | | | |
| Humidity | 5%~95% | | | |
| Altitude | ≤2000m | | | |
| Communication | RS485 / CAN | | | |
| Cycle Life[2] | ≥6000 Cycles | | | |
| Installation | Wall-Mounting / Floor-Mounting | | | |
| Protection | Built-in smart BMS, Breaker, Fuse | | | |
| Warranty Period[3] | 10 Year | | | |
| Product Weight Approximate | 55kg | 90kg | 92kg | 92kg |
| Package Weight Approximate | 75kg | 108kg | 110kg | 110kg |
| Product Dimension | 775x425x209mm | 783x450x274mm | 783x450x274mm | 783x450x274mm |
| Package Dimension | 892x545x385mm | 900x570x450mm | 900x570x450mm | 900x570x450mm |

[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.