



## LUX-E Battery Pack

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



### 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



Aerosol Fire Extinguishing System

# Specification

| 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                           | 775×425×209mm                     | 783×450×274mm     | 783×450×274mm     | 783×450×274mm   |
| Package Dimension                           | 892×545×385mm                     | 900×570×450mm     | 900×570×450mm     | 900×570×450mm   |

[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.