



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



High Scalability



IP65: Waterproof, Dustproof, Reliable in Harsh Environments



Long Warranty: 10 Years



Aerosol Fire Extinguishing System

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]	100A
Peak Charge/Discharge Current(15s)	150A
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	≥ 6000 Cycles (25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)
Installation	Wall-mounted / Floor-mounted
Protection	Built-in Smart BMS, Breaker
Warranty Period[2]	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] Conditions Apply, Refer to FelicityESS Warranty Letter.