



# LUX-X Battery Pack

LUX-X-48100LG01



## Product Features



**LiFePO4:**  
Higher safe performance  
and longer cycle life



**Multiple Protection:**  
Built-in smart BMS,  
Breaker and Fuse



**Flexible Installation:**  
Movable type  
Floor-Mounted



**Wide Compatibility:**  
Compatible with leading  
inverter brands



**High Scalability**



**Modular design for easy  
installation and increased  
capacity**



**Aerosol Fire  
Extinguishing  
System**

# Specification

Model		LUX-X-48100LG01							
Battery Type	LiFePO4								
Module Nominal Energy	5.12kWh								
Module Nominal Capacity	100Ah								
Module Nominal Voltage	51.2V								
Number of Battery Modules	1	2	3	4	5	6	7	8	
System Nominal Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	
System Nominal Voltage	51.2V								
System Operating Voltage	44.8~57.6V								
Recommend Charge/Discharge Current	50A	100A	150A	200A	250A	300A	350A	400A	
Max. continuous charge/discharge current[1]	60A	120A	180A	240A	300A	360A	400A	400A	
Peak Charge/Discharge current(15S)	100A	200A	300A	400A	500A	600A	700A	800A	
Scalability	Max. 8 PCS in Parallel								
Depth of discharge(DOD)	≥ 95%								
Display type	Control Module:LCD/Battery Module:LED*4								
Protection Level	Ip21								
Working Temperature Range	Charge:0~+55°C/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, Fuse								
Warranty Period[3]	10 Year								
Control Module LUX-X-48100LCG01	Product Weight Approximate	46 kg							
	Package Weight Approximate (with base)	60 kg							
	Product Dimension	600x450x180 mm							
	Package Dimension(with base)	712x562x333 mm							
Battery Module LUX-X-48100LMG01	Product Weight Approximate	46 kg							
	Package Weight Approximate	50 kg							
	Product Dimension	600x450x180 mm							
	Package Dimension	712x562x298 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

