



Low-voltage LiFePO4 Battery Pack

LUX-X-48100LG01-US



Product Features



LiFePO4:
Higher safe performance
and longer cycle life.



Multiple protection with
built-in smart BMS, breaker
and fuse.



Compatible with
leading inverter brands.



Scalable expansion up to
8 units in parallel.



Modular design for easy
installation and increased
capacity.



Aerosol fire extinguishing
system.

Specification

Model		LUX-X-48100LG01-US							
Battery Type	LiFePO4								
Module Nominal Energy	4.98kWh								
Module Nominal Capacity	97.3Ah								
Module Nominal Voltage	51.2V								
Number of Battery Modules	1	2	3	4	5	6	7	8	
System Nominal Energy	4.98kWh	9.96kWh	14.94kWh	19.92kWh	24.9kWh	29.88kWh	34.86Wh	39.84kWh	
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	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)	100%								
Display Type	Control Module: LCD/Battery Module: LED*4								
Protection Level	IP21 (OPTION UPGRADE IP54)								
Working Temperature Range	Charge: 0°C~55 °C								
	Discharge: -20°C~55 °C								
Storage Temperature Range	0°C~+35°C								
Humidity	5%~95%								
Altitude	≤ 2000M								
Communication	RS485/CAN								
Cycle Life	≥ 6000 Cycles								
Installation	Wall-Mounted/Floor-Mounted								
Protection	Built-in Smart BMS, Breaker, Fuse								
Warranty Period	10 Years								
Certification	UN38.3、UL9540A、UL1973、FCC、UL60730、CEC								
Control Module LUX-X-48100LCG01 -US	Product Weight Approximate	46KG							
	Package Weight Approximate	60KG							
	Product Dimension	600X450X180 MM							
	Package Dimension	712X562X333 MM							
Battery Module LUX-X-48100LMG01 -US	Product Weight Approximate	46KG							
	Package Weight Approximate	50KG							
	Product Dimension	600X450X180 MM							
	Package Dimension	712X562X298 MM							

*Product specifications may vary during continuous improvements. Please contact us for latest details.

*Refer to Felicitysolar's Warranty Policy for applicable conditions.

*All support Installation and after-sales service in 24/7.

