



LUX-X Battery Pack

LUX-X-48050LG01



Product Features



Flexible: Modular Design,
Easy to Expand,
Max. 4pcs in Parallel



Wide Temperature Range:
-20°C to 55°C



Safer: Cobalt Free Lithium
Iron Phosphate (LFP) Battery,
Safety and Long Lifespan



Quick Installation: Flat and Stackable
Design, Support Wall-mounted &
Floor-mounted Wiring, Rapid and Easy
Installation



Reliable: Support High
Discharge Power. IP65,
Natural Cooling



Aerosol Fire
Extinguishing System

Specification

Model	LUX-X-48050 LCG01-1	LUX-X-48050 LMG01-1	LUX-X-48050 LG01M2	LUX-X-48050 LG01M3	LUX-X-48050 LG01M4
Battery Type	LiFePO4				
Module Energy	2.56kWh				
Module Nominal Voltage	50Ah				
Module Nominal Capacity	51.2V				
Module Nominal Voltage	1	1	2	3	4
System Energy	2.56kWh	2.56kWh	5.12kWh	7.68kWh	10.24kWh
System Nominal Voltage	51.2V				
System Operating Voltage	44.8~57.6V				
Scalability	Max. 4 pcs in Parallel (10.24kWh)				
Recommend Charge/Discharge current	25A	25A	40A	40A	40A
Max. continuous charge/discharge current[1]	50A	50A	80A	80A	80A
Peak Charge/Discharge current(15S)	100A	100A	200A	300A	400A
Depth of discharge(DOD)	≥ 95%				
Display type	Control Module : LCD/Battery Module : LED*4				
IP Rating of Enclosure	IP65				
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	≥ 6000 Cycles (25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)				
Installation	Floor-Mounting				
Protection	Built-in smart BMS, Breaker, Fuse				
Warranty Period[2]	10 Year				
Control Module LUX-X-48050LCG01	Product Weight Approximate	31Kg			
	Package Weight Approximate	40Kg			
	Product Dimension	530*350*180mm			
	Package Dimension	642*462*337mm			
Battery Module LUX-X-48050LMG01	Battery Designation	IFpP/41/150/102/[1P16S]M/-10+50/95			
	Product Weight Approximate	31Kg			
	Package Weight Approximate	36Kg			
	Product Dimension	530*350*175mm			
	Package Dimension	642*462*293mm			

[1] Max. continuous charge/Discharge current is affected by temperature and SOC.

[2] Conditions apply, refer to FelicityESS Warranty Letter