

# Battery Pack

LUX-X-48050LG01



# Specification



## Product Features



**Flexible:** Modular design, easy to expand, Max. 4pcs in parallel. Capacity of 10.24kWh.



**Safer:** Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and longlifespan, high efficiency and high-power density. Intelligent BMS providing complete protection.



**Quick Installation:** Flat and stackable design, support wall-mounted & floor-mounted no wiring, rapid and easy installation



**Reliable:** Support high discharge power. Ip65, natural cooling, wide temperaturerange: -20°C to 55°C

Model	LUX-X-48050LG01-1	LUX-X-48050LG01-2	LUX-X-48050LG01-3	LUX-X-48050LG01-4
Battery Type	LiFePO4			
Module Energy	2.56kWh			
Module Nominal Voltage	51.2V			
Module Capacity	50Ah			
Number of Battery Modules	1	2	3	4
System Energy	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			
Recommend Charge/Discharge current	25A	40A	40A	40A
Max. continuous charge/discharge current[1]	50A	80A	80A	80A
Peak Charge/Discharge current(15S)	100A	100A	100A	100A
Depth of discharge(DOD)	≥ 95%			
Display type	Control Module: LCD/Battery Module: LED*4			
Protection Level	IP65			
Operating Temperature Range	Charge:0~+55°C/Discharge:-20°C~+55°C			
Storage Temperature Range	0°C~+35°C			
Humidity	5%~95%			
Altitude	≤2000m			
Cycle Life[2]	≥ 6000 Cycles			
Installation	Stacking-Mounting / Floor-Mounting			
Protection	Built-in smart BMS, Breaker			
Communication Port	RS485 / CAN			
Warranty Period[3]	10 Year			
Control Module (with battery) LUX-X-48050LCG01	Product Dimension(W*H*D)	530*350*176mm(with base:262)		
	Product Weight Approximate	30Kg(with base: 37)		
	Package Dimension(W*H*D, with base)	612*452*330mm		
Battery Module LUX-X-48050LM01	Package Weight Approximate (with base)	41Kg		
	Product Dimension(W*H*D)	530*350*176mm		
	Product Weight Approximate	30Kg		
	Package Dimension(W*H*D)	612*452*245mm		
	Package Weight Approximate	34Kg		

[1] Recommend charge/discharge current/power 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