



# LUX-X Battery Pack

LUX-X-96050HG01



## Product Features



Inverter Interface Protection



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



LiFePO4: Higher  
safe performance  
and longer cycle life



Aerosol Fire  
Extinguishing System



Flexible Installation:  
Stack-Mounted



Wide Compatibility:  
Compatible with  
leading inverter brands



High Scalability



Long Warranty:  
10 Years

# Specification

Model		LUX-X-96050HG01					
Battery Type	LiFePO4						
Module Energy	5.12kWh						
Module Nominal Voltage	102.4V						
Module Capacity	50Ah						
Number of Battery Modules	1	2	3	4	5	6	
System Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	
System Nominal Voltage	102.4V	204.8V	307.2V	409.6V	512V	614.4V	
System Operating Voltage	96-115.2V	192-230.4V	288-345.6V	384-460.8V	480-576V	576-691.2V	
Recommend Charge/Discharge current	25A	25A	25A	25A	25A	25A	
Max. continuous charge/discharge current[1]	50A	50A	50A	50A	50A	50A	
Peak Charge/Discharge current(15S)	60A	60A	60A	60A	60A	60A	
Depth of discharge(DOD)	≥ 95%						
Display type	LED+LCD(Touch)						
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 LUX-X-96050HCG01	Net Weight	12.5 kg					
	Gross Weight(with base)	24.5 kg					
	Product Dimension	600x385x200 mm					
	Package Dimension(with base)	712x497x352 mm					
Battery Module LUX-X-96050HMG01	Battery Designation[4]	IFpP/41/150/102/[(1P32S)NSJM/-10+50/90					
	Net Weight	57.5 kg					
	Gross Weight	62 kg					
	Product Dimension	600x385x260 mm					
Package Dimension	712x497x378 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

[4] "N" means the number of battery packs connected parallel and should not exceed 6.(N≤6)

