



LUX-Y Battery Pack

LUX-Y-48100HG01



Product Features



Inverter interface protection: Over voltage, Over current, External Short Circuit



Battery Protection: Internal Short Circuit, Over voltage, over current, over temp



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-Y-48100HG01		
Battery Type	LiFePO4			
Module Energy	5.12KWh			
Single Module Nominal Voltage	51.2V			
Module Capacity	100AH			
Number of Battery Modules (Optional)	4(Min)	8	12	
System Energy	20.48kWh	40.96kWh	61.44kWh	
System Nominal Voltage	204.8V	409.6V	614.4V	
System Operating Voltage	192-230.4V	384-460.8V	576-691.2V	
Scalability[4]	Max. 16 PCS in Parallel(983.04kwh)			
Recommend Charge/Discharge current	50A			
Max. continuous charge/Discharge current[1]	100A			
Peak Charge/Discharge current(15S)	120A			
Depth of Discharge(DOD)	≥ 95%			
Display type	LED+LCD(Touch)			
Protection Level	IP21			
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	Rack-Mounting			
Protection	Built-in smart BMS, Breaker			
Communication Port	RS485 / CAN			
Warranty Period[3]	10 Year			
Control Module LUX-Y-48100HCG01	Product Dimension	482.6x565x150mm		
	Package Dimension	687x562x269mm		
	Product Weight Approximate	10.3kg		
	Package Weight Approximate	16.7kg		
Battery Module LUX-Y-48100HMG01	Product Dimension	482.6x565x131mm		
	Package Dimension	687x562x250mm		
	Product Weight Approximate	41.3kg		
	Package Weight Approximate	45kg		
Rack LUX-Y-48100HR13G01	Product Dimension	560x590x2077.5mm (13th floor)		
	Package Dimension	678x708x2200mm		
	Product Weight Approximate	68.5kg		
	Package Weight Approximate	108.5kg		
Rack LUX-Y-48100HR9G01	Product Dimension	560x590x1532.5mm (9th floor)		
	Package Dimension	678x708x1655mm		
	Product Weight Approximate	51kg		
	Package Weight Approximate	80.5kg(Approx)		

[1] Max. Continuous charge/discharge current/power is affected by temperature and SOC.

[2] Test conditions: 0.5C Charging/Discharging @25°C, 80% DOD.

[3] Conditions apply, refer to FelicityESS Warranty Letter.

[4] Future models will be designed to allow for parallel connectivity.