

Easy, Safe, Smart



Product Features



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



Flexible Installation: Stack-Mounted



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



Wide Compatibility: Compatible with leading inverter brands



LiFePO4:Higher safe performance and longer cycle life



High Scalability



Aerosol Fire Extinguishing System



Long Warranty: 10 Years

Specification

Model			LUX-Y-48100HG01	
Battery Type		LiFePO4		
Module Energy			5.12KWh	
Single Module Nomin	al 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	e Range	Ch	arge:0~+55°C/Discharge:-20°C~+55	5°C
Storge Temperature Ra	ange		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	560×590×2077.5mm (13th floor)		
	Package Dimension	678×708×2200mm		
	Product Weight Approximate	68.5kg		
	Package Weight Approximate	108.5kg		
Rack LUX-Y-48100HR9G01	Product Dimension	560×590×1532.5mm (9th floor)		
	Package Dimension	678×708×1655mm		
	Product Weight Approximate	51kg		
	Package Weight Approximate	80.5kg(Approx)		
[1] Max. Continuous ch	narge/discharge current/power is affect	cted by temperature and SOC.		
	C Charging/Discharging @25°C, 80% [
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