

HIGH VOLTAGE BATTERY PACK LUX-X-96050 SERIES



FEATURES

-  Long Warranty: 10 Years.
-  Flexible Installation: Stack-Mounted.
-  High Scalability: Capacity up to 983kwh.
-  LiFePO4: Higher safe performance and longer cycle life.
-  Wide Compatibility: Compatible with leading inverter brands.
-  Inverter interface protection: Over voltage, Over current, External Short Circuit, Reverse Polarity Ground Fault, Over Temp, In rush current.
-  Battery Protection: Internal Short Circuit, Over voltage, over current, over temp, Under voltage
The battery system contains the following Interface to allow it to connect and operate efficiently.

Specification

Model	LUX-X-96050		
Module Energy	5.12kWh		
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
Recommend Charge/Discharge Current	≤ 50A	≤ 50A	≤ 50A
Recommend Charge/Discharge Power	≤ 10000W	≤ 20000W	≤ 30000W
Max. Continuous Charge/Discharge Current(1)	≤ 100A	≤ 100A	≤ 100A
Max. Continuous Charge/Discharge Power(1)	≤ 20000W	≤ 40000W	≤ 60000W
Maximum Charge/Discharge Current(15s)	120A	120A	120A
Maximum Charge/Discharge Power(15s)	24000W	48000W	72000W
Battery Type	LiFePO4		
Depth of Discharge(DOD)	≥ 95%		
Scalability	Up to 16 units in parallel(983kWh)		
Communication	CAN&RS485		
Ingress Protection	IP21		
Cycle Life(2)	≥ 6000 Cycles		
Charging Temperature Range	0~55°C		
Discharging Temperature Range	-20~55°C		
Display	LED/LCD		
Installation	Stack-Mounted		
Protection	Built-in smart BMS, Breaker, Fuse		
Warranty	10 Years		
LUX-X-96050 HCG01	Net Weight(KG)	10.3KG	
	Gross Weight(KG)	16.7KG	
	Product Dimension(MM)	440*150*515MM	
	Package Dimension(MM)	597*562*269MM	
LUX-X-96050 HMG01	Net Weight(KG)	41.3KG	
	Gross Weight(KG)	44.35KG	
	Product Dimension(MM)	440*131*565MM	
	Package Dimension(MM)	687*562*244MM	

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

[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD

Connection diagram

