

LUX-X Battery Pack

FLS481000



Product Features



LiFePO4:
Higher safe performance and longer cycle life



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



Flexible Installation:
Movable type Floor-Mounted



High Scalability



Wide Compatibility:
Compatible with leading inverter brands



Modular design for easy installation and increased capacity



Fire Extinguishing Gel Inside

Specification

Model		FLS48100							
Battery Type	LiFePO4								
Module Nominal Energy	5.12kWh								
Module Nominal Capacity	100Ah								
Module Nominal Voltage	51.2V								
Number of Battery Modules	1	2	3	4	5	6	7	8	
System Nominal Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	
System Nominal Voltage	51.2V								
System Operating Voltage	44.8~57.6V								
Recommend Charge/Discharge Current	50A	100A	150A	200A	250A	300A	350A	400A	
Max. continuous charge/discharge current[1]	60A	120A	180A	240A	300A	360A	400A	400A	
Peak Charge/Discharge current(15S)	100A	200A	300A	400A	500A	600A	700A	800A	
Scalability	Max. 8 PCS in Parallel								
Depth of discharge(DOD)	≥ 95%								
Display type	Control Module:LCD/Battery Module:LED*4								
Protection Level	Ip21								
Working Temperature Range	Charge:0~+55°C/Discharge:-20°C~+55°C								
Storage Temperature Range	0°C~+35°C								
Humidity	5%~95%								
Altitude	≤2000m								
Communication	RS485 / CAN								
Cycle Life[2]	≥ 6000 Cycles								
Installation	Wall-Mounted / Floor-Mounted								
Protection	Built-in smart BMS, Breaker, Fuse								
Warranty Period[3]	10 Year								
Control Module	Product Weight Approximate	46 kg							
	Package Weight Approximate (with base)	60 kg							
	Product Dimension	600x450x180 mm							
	Package Dimension(with base)	712x562x333 mm							
Battery Module	Product Weight Approximate	46 kg							
	Package Weight Approximate	50 kg							
	Product Dimension	600x450x180 mm							
	Package Dimension	712x562x298 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

