

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							
Storge 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									

