FelicityESS

Easy, Safe, Smart

LUX-X Battery Pack

LUX-X-48100LG01

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
- Wide Compatibility: Compatible with leading inverter brands
- High Scalability
- Modular design for easy installation and increased capacity
- Aerosol Fire Extinguishing System

Specification

Model		LUX-X-48100LG01							
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 LUX-X-48100LCG01	Product Weight Approximate	46 kg							
	Package Weight Approximate (with base)	60 kg							
	Product Dimension	600x450x180 mm							
	Package Dimension(with base)	712x562x333 mm							
Battery Module LUX-X-48100LMG01	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