FelicityESS

Easy, Safe, Smart



LUX-E Battery Pack

LUX-E-48100/48200/48230/48250LG03

Product Features

LiFePO4: Higher safe performance and longer cycle life	Multiple Protection: Built-in smart BMS and Breaker	Flexible Installation: Wall-Mounted or Floor-Mounted	Wide Compatibility: Compatible with leading inverter brands
High Scalability	Long Warranty: 10 Years	Built-in WIFI: Remote monitoring of battery pack data	Aerosol Fire Extinguishing System

Specification

Model	LUX-E-48100LG03	LUX-E-48200LG03	LUX-E-48230LG03	LUX-E-48250LG03
Battery Type	LiFePO4			
Nominal Energy	5.12kWh	10.5kWh	11.8kWh	12.5kWh
Nominal Capacity	100Ah	205Ah	230Ah	250Ah
Nominal Voltage	51.2v			
Operating Voltage	44.8~57.6V			
Recommend Charge/Discharge current	50A	100A	100A	100A
Max. continuous charge/Discharge current[1]	100A	150A	150A	150A
Peak Charge/Discharge current(15s)	150A	200A	200A	200A
Scalability	Max. 15(76.8kWh)	Max. 15(157.4kWh)	Max. 15(176.6kWh)	Max. 15(187kWh)
Depth of discharge(DOD)	≥95%			
Display type	LCD			
Protection Level	IP21			
Working Temperature Range	Charge:0~+55℃			
	Discharge:-20C~+55°C			
Storge Temperature Range	0°C~+35°C			
Humidity	5%~95%			
Altitude	≤2000m			
Communication	RS485 / CAN			
Cycle Life[2]	≥6000 Cycles			
Installation	Wall-Mounting / Floor-Mounting			
Protection	Built-in smart BMS, Breaker, Fuse			
Warranty Period[3]	10 Year			
Product Weight Approximate	55kg	90kg	92kg	92kg
Package Weight Approximate	75kg	108kg	110kg	110kg
Product Dimension	775×425×209mm	783x450x274mm	783x450x274mm	783x450x274mm
Package Dimension	892×545×385mm	900x570x450mm	900x570x450mm	900x570x450mm

[1] Max. continuous charge/discharge current is affected by temperature and SOC.

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

[3] Conditions apply, refer to FelicityESS Warranty Letter.