







LIFEPO4 1C BATTERY SYSTEM

LUX-E-48100LG03



FEATURES

-  High quality lithium iron phosphate battery.
-  ≥ 6000 times deep cycle charge and discharge.
-  Super long warranty: 7 years warranty.
-  Big capacity with small volume for household
-  Support 12 pcs connected in parallel mode for expansion.
-  BMS High class of safety with built-in BMS protection

PRODUCT PARAMETERS

MODEL	LUX-E-48100LG03
Battery Type	LiFePO4
Energy	5.12kWh
Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommend Charge/Discharge Current[1]	$\leq 100A$
Recommend Charge/Discharge Power[1]	$\leq 5,000W$
Maximum Charge/Discharge Current(15s)	150A
Maximum Charge/Discharge Power(15s)	7,500W
Depth of Discharge(DOD)	$\geq 95\%$
Scalability	Up to 12 units in parallel(61.44kWh)
Communication	RS485 / CAN
Protection Level	IP21
Cycle Life[2]	$\geq 6,000$ Cycles
Charging Temperature Range	0-55 °C
Discharging Temperature Range	-20-55 °C
Display	LCD+LED
Installation	Floor-Mounted
Protection	Built-in smart BMS, Breaker , Fuse
Warranty	7 Years
[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

