

Lithium Battery  
System

EXPAND  
UP TO  
**15**

# IP65 LiFePO<sub>4</sub> BATTERY

BUILT-IN  
**BMS**

Welcome To Use  
Smart BMS

Press MENU Key

100AH 51.2V SINGLE MODULE



FAST CHARGING  
HIGH EFFICIENCY



MODULAR DESIGN  
EXPANDABLE

**4000**

HIGH CYCLE LIFE  
AT 0.5C / 80% DOD



100% COMPATIBLE  
WITH MPP SOLAR BMS

LiFePO <sub>4</sub> Battery	LIO-II-4810E
<b>ELECTRICAL SPECIFICATION</b>	
Nominal Voltage	51.2V
Capacity	100Ah
Max Full Charge (FC)	58.4V
Max Discharge Voltage	43.2V
Max Charging Current	50A
Max Continuous Discharge Current	100A
Maximum Stackable Module	15 modules
Cycle Life	4000 times @ 25°C, 0.5C, 80% DOD
Communication	RJ45 (RS485, CAN), RJ11 (RS232)
Operating Temperature	-20°C ~ 60°C
Optimal Storage Temperature	20-25°C
IP Class	IP65
Module Dimension	500x450x140mm
Net Weight	43Kg

LIO-II-4810E is a Lithium Iron Phosphate (LiFePO<sub>4</sub>) smart battery module with built-in BMS system that effectively control and monitor the battery's:

- ☒ Cell voltage
- ☒ Cell temperature
- ☒ Charging + Discharging Amp
- ☒ Cell Balancing
- ☒ Cycle life

In compact modular design, this battery has also an integrated LCD display and can expand up to 15 modules max with ease.