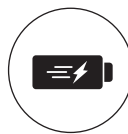


LIO II-4810 is Lithium-ion battery module specially designed for energy storage system with 48V system

- Easy to install on the floor.
- Suitable for wide range of inverters with 48V system



Compact size and Lightweight
Built-in lithium-ion battery with less space and weight.



Fast charging
Battery module can be fully charged in shorter time.

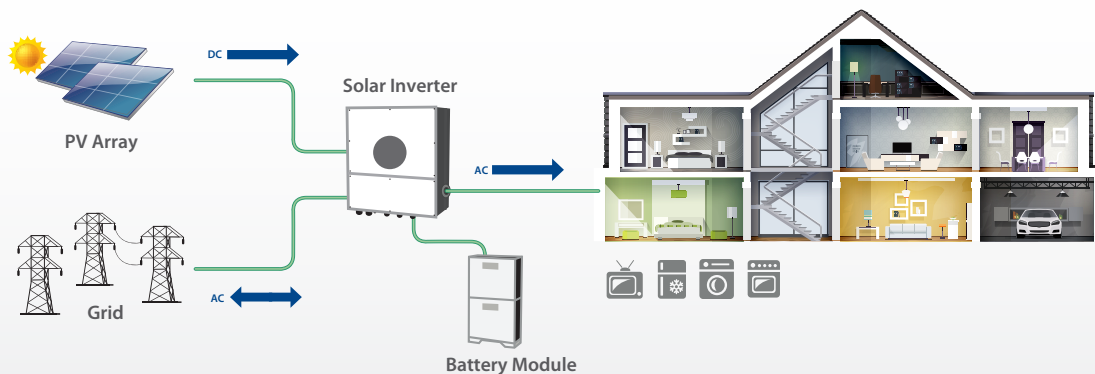


Modular design for easy scalable
Battery module can be easily stacked and added for energy expansion.

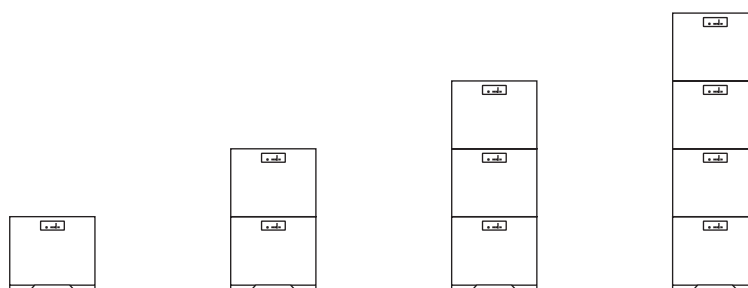


95% DOD High performance
Use 95% of battery capacity

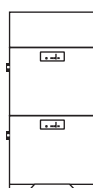
System Diagram



Technical Specification



Battery Module	LIO II-4810 (4.8 kWh, 48V)			
Number of Module	1	2	3	4
Usable Energy	4.8 kWh	9.6 kWh	14.4 kWh	19.2 kWh
Rated Discharging Current	150 A	150 A	150 A	150 A
Peak Discharging Current	192 A, 1 min	192 A, 1 min	192 A, 1 min	192 A, 1 min
Nominal Voltage	48 V	48 V	48 V	48 V
Operating Voltage	38 - 56VDC	38 - 56VDC	38 - 56VDC	38 - 56VDC
Charging Voltage	56 V	56 V	56 V	56 V
Charging Current	100A Max, 30A Default	100A Max, 30A Default	100A Max, 30A Default	100A Max, 30A Default
Dimension, D x W x H (mm) without feet	184 x 540 x 420	184 x 540 x 840	184 x 540 x 1260	184 x 540 x 1680
Net Weight (kg)	48	96	144	192



Battery Module	LIO II-4810 (4.8 kWh, 48V)
Number of Module	2
PDU Module	1
Usable Energy	9.6 kWh
Rated Discharging Current	300 A
Peak Discharging Current	384 A, 1 min
Nominal Voltage	48 V
Operating Voltage	38-56VDC
Dimension, D x W x H (mm)	184 x 540 x 1060
Net Weight (kg)	98

General Specification

Operation Temperature	Charge	0°C~50 °C
	Discharge	0°C~50 °C
Storage Temperature (At 50% SOC and specified temp, recoverable capacity in % vs time / 50%)		< 18 months: -20°C~25 °C
		< 3 months: 25°C~45 °C
		< 1 months: 45°C~60 °C
		20°C ± 5 °C is the recommended storage temperature
IP Protection		IP20
Communication		RS485 port (RJ45)
Certifications		UN38.3, IEC 62619

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