

# YOUR PROFESSIONAL LITHIUM BATTERY SOLUTION PROVIDER

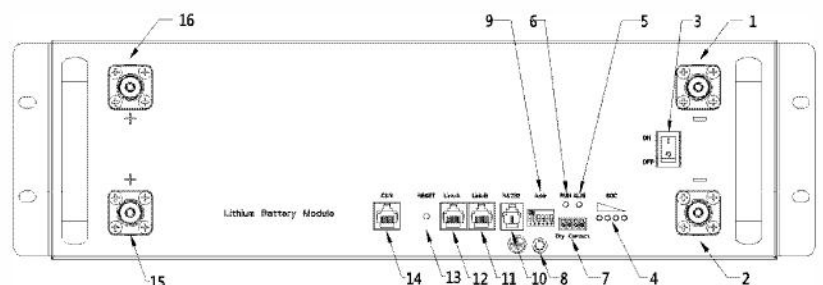
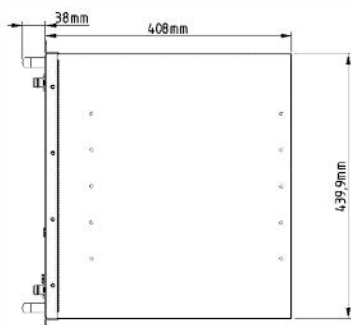


# LS Rack Mounted 48V Battery Module Series



ITEM	Unit	LS -48V100Ah	LS -48V50Ah
Cell model	/	100Ah/3.2V	50Ah/3.2V
Combination Mode	/	1P 16S	1P 16S
Nominal Capacity	Ah	100	50
Rated energy	Wh	5120	2560
Initial Internal Resistance	mΩ	<50	<50
Rated Voltage	V	51.2	51.2
Charge Cut-off Voltage	V	56.0	56.0
Discharge Cut-off Voltage	V	48.0	48.0
Standard Charge Current	A	20	10
Max. Charge Current	A	≤100	≤50
Standard Discharge Current	A	50	25
Max. Discharge Current	A	≤100	≤50
Operating Temperature	°C	0~+45°C -10~ +55°C	0~+45°C -10~ +55°C
Open Circuit Voltage	V	48.0~56.0	48.0~56.0
Communication Interface	/	RS485\RS232\CAN	RS485\RS232\CAN
Weight	kg	45± 1	33± 1
Dimension	mm	408 (L)*4 40(W)*132(H)	408 (L)*4 40(W)*132(H)

## DRAWING



### **PLUG&PLAY**

Convenient and flexible

### **FLEXIBLE**

Modular rack design for easier installation and smaller landscape

### **INTELLIGENT BMS**

Intelligent BMS to ensure a safe reliable operation

### **SAFE & RELIABLE**

Adopt high safety, long life, excellent performance LiFePO4 prismatic cells

### **LONG LIFE SPAN**

Over 4000 times of cycle life

### **INTERCONNECTION**

Multiple communications including RS485, RS232, CAN

### **ECO FRIENDLY**

No outgassing and zero ambient emissions

### **EXPANDABLE**

Max. 63 modules in parallel allowed

## **FEATURES**

- **Automotive battery to ensure the highest safety.**
- **Modular design offers the end customers choices for capacity.**
- **In house designed BMS protects the cell under any situation such as abnormal temperature, current, voltage, SoC, SoH.**
- **Compatible with most of the available Hybrid inverters.**
- **Vertical industry integration ensures more than 3500 cycles with 90% DoD.**
- **Simple buckle fixing minimize the installation time and cost.**



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