

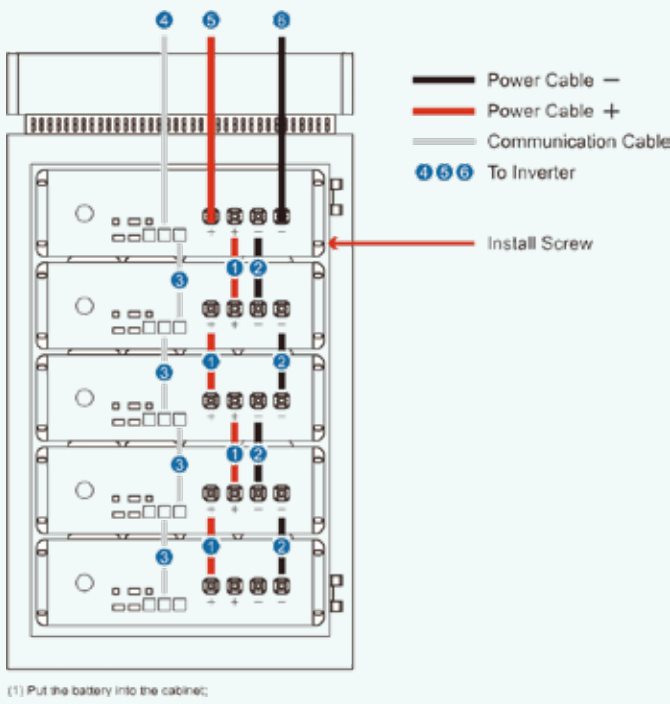
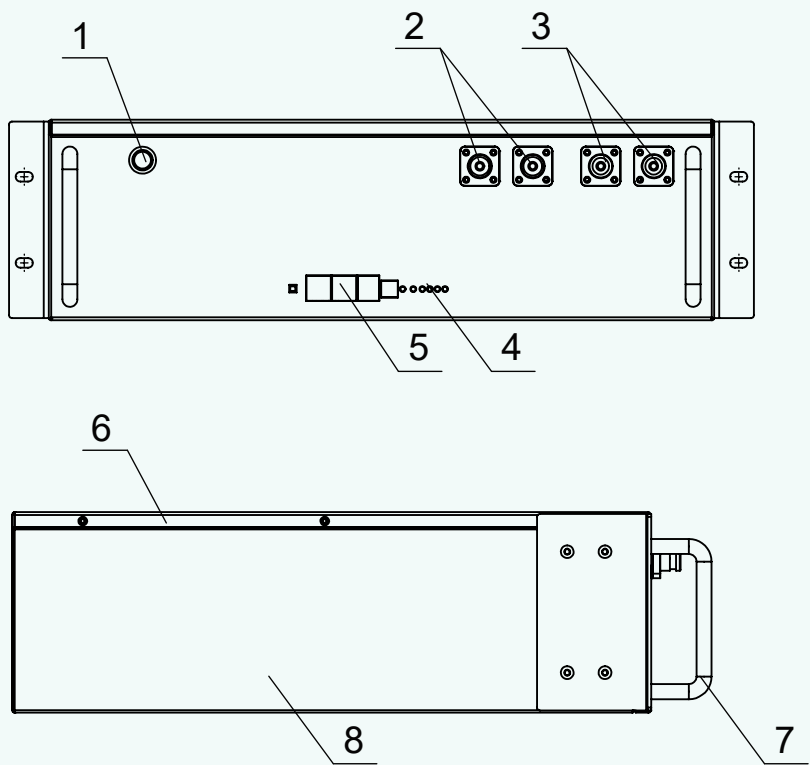
48V Energy Storage LiFePO₄ Battery

Features

- ◆ Standardized design: standard 3U and 4U case, good applicability
- ◆ In parallel to enlarge energy: Add the current limiting module, support multiple battery parallel use, expand the battery capacity, meet the high energy demand of customers.
- ◆ Intelligent lithium battery management system: With RS485 communication, you can monitor the battery status at any time and set protection parameters such as charge and discharge according to customers' requirements.
- ◆ Warning function: Warning functions such as overcharge, overdischarge, overcurrent, high temperature and low temperature can greatly reduce the potential safety hazard.
- ◆ Balancing: Automatic collection of battery single series voltage, pressure difference up to 30mV (can be set), automatic start equalization function.



Structural parts description



1	OFF/ON	5	RS485 /CAN
2	M6 Positive terminal (2pcs)	6	Box cover
3	M6 Negative terminal (2pcs)	7	Box
4	Battery indicator	8	Handle

48V Energy Storage LiFePO₄ Battery

Parameters

	Model	M15S050BL	M15S100BL	M16S100BL
Basic Characteristics	Nominal Voltage	48V	48V	51.2V
	Nominal Capacity	50Ah	100Ah	100Ah
	Efficiency	≥96%	≥96%	≥96%
	Inner Resistance	10mΩ	7mΩ	7mΩ
	Cell Type	LiFePO ₄	LiFePO ₄	LiFePO ₄
Charging Characteristics	Charge Voltage	54.75V	54.75V	58.4V
	Standard Charging Current	10A	20A	20A
	Max.Continuous Charging Current	50A	100A	100A
Discharge Characteristics	Standard Discharge Current	25A	50A	50A
	Continuous Discharge Current	50A	100A	100A
	Peak Discharge Current	100A (3s)	200A (3s)	200A (3s)
	Discharge Cut-off Voltage	39.5V	39.5V	42V
Environmental Requirements	Charge Temperature Range	0~60℃	0~60℃	0~60℃
	Discharge Temperature Range	-20℃~65℃	-20℃~65℃	-20℃~65℃
	Storage Temperature Range	-5~40℃	-5~40℃	-5~40℃
	Storage Humidity	65±20%HR	65±20%HR	65±20%HR
Mechanical Characteristics	Size(L×W×H)	453×493×133mm	520×495×175mm	520×495×175mm
	Package Size (L×W×H)	530×480×230mm	530×540×260mm	530×540×260mm
	Shell Material	SPCC	SPCC	SPCC
	Net Weight	27.5kg	41kg	45kg
	Gross Weight	39.5kg	47kg	55kg
	Package Method	1pcs per carton	1pcs per carton	1pcs per carton
Others Characteristics	Cycle Life	≥6000 times	≥6000 times	≥6000 times
	Self Discharge	2% per month	2% per month	2% per month
	SOC Indication	LED Light	LED Light	LED Light
	Communication Mode	RS485	RS485/CAN	RS485/CAN
	Matching Inverter	Growatt, Goodwe, Deye, Luxpower, SRNE etc		

Product application diagram

