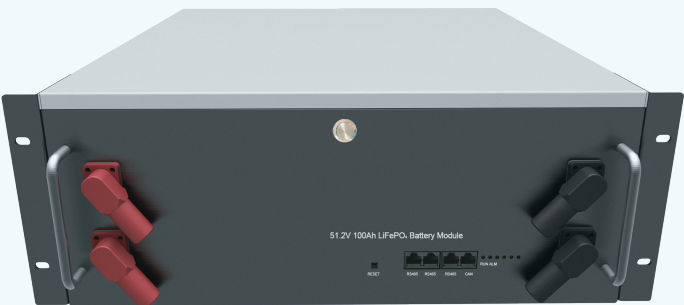


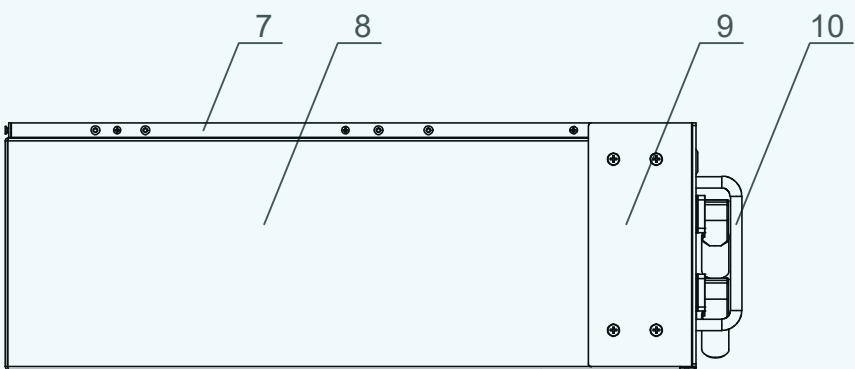
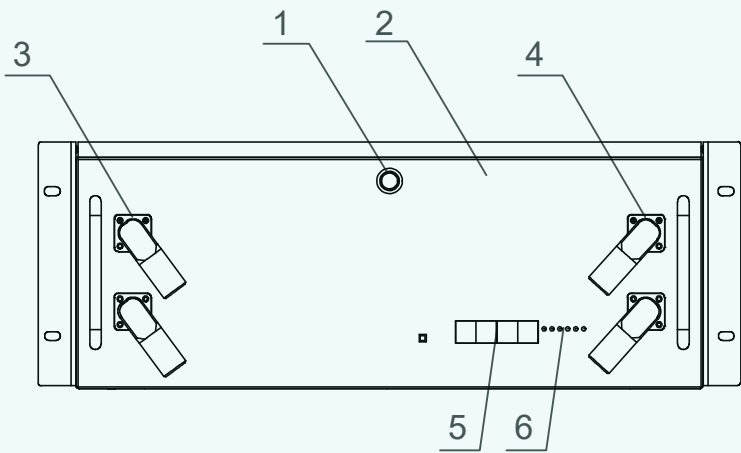
Rack Type Energy Storage LiFePO₄ Battery

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	Switch	6	Battery indicator
2	Panel	7	Welding parts of upper cover
3	Red terminal	8	Box
4	Black terminal	9	Box fixings
5	RS485/CAN communication	10	Box handle

Rack Type Energy Storage LiFePO₄ Battery

Parameters

	Model	M15S100BL-U	M16S100BL-U	M16S280BL-U
Basic Characteristics	Nominal Voltage	48V	51.2V	51.2V
	Nominal Capacity	100Ah	100Ah	280Ah
	Efficiency	≥96%	≥96%	≥96%
	Cell Type	LiFePO ₄	LiFePO ₄	LiFePO ₄
Charging Characteristics	Charge Voltage	54.7V	58.2V	58.2V
	Standard Charging Current	20A	20A	56A
	Max.Continuous Charging Current	100A	100A	100A
Discharge Characteristics	Standard Discharge Current	50A	50A	50A
	Continuous Discharge Current	100A	100A	100A
	Peak Discharge Current	200A (3s)	200A (3s)	200A (3s)
	Discharge Cut-off Voltage	40V	42V	42V
Environmental Requirements	Charge Temperature Range	0~60℃	0~60℃	0~60℃
	Discharge Temperature Range	-10℃~65℃	-10℃~65℃	-10℃~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)	515×493×175mm	515×493×175mm	768×450×275mm
	Package Size (L×W×H)	550×523×230mm	550×523×230mm	865×550×345mm
	Shell Material	SPCC	SPCC	SPCC
	Net Weight	42kg	45kg	105kg
	Gross Weight	45kg	48kg	130kg
	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/CAN	RS485/CAN	RS485/CAN
	Matching Inverter	Growatt, Goodwe, Deye, Luxpower, SRNE etc		

Product application diagram

