

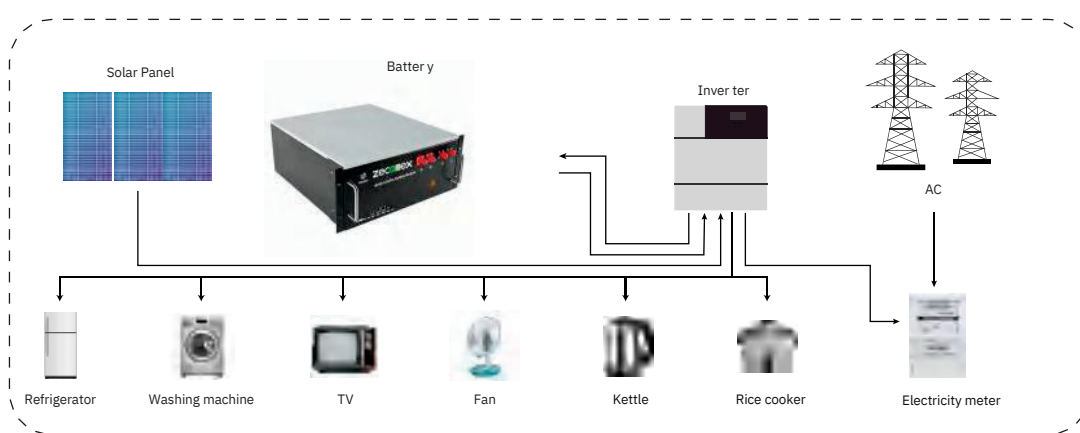
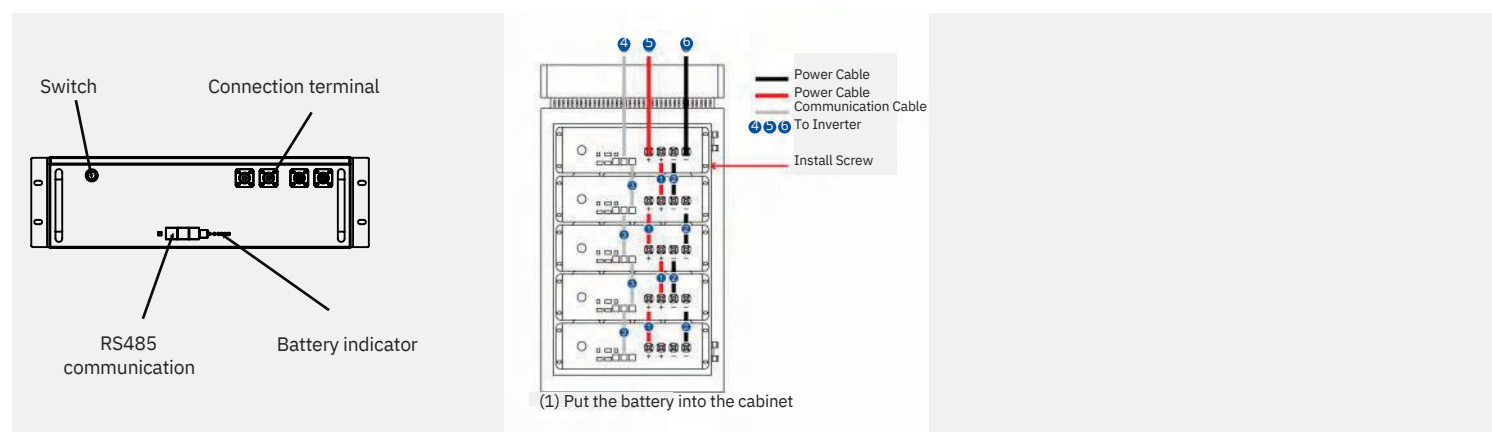
## LiFePO4 Energy Storage Battery-Rack-BR



### 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



### Specifications

		ZECO-15050BL-BR	ZECO-150100BL-BR	ZECO-160100BL-BR
Basic Characteristics	Model	48V	48V	51.2V
	Nominal Voltage	50Ah	100Ah	100Ah
	Nominal Capacity	≥96%	≥96%	≥96%
	Efficiency	10mΩ	7mΩ	7mΩ
	Inner Resistance	LiFePO4	LiFePO4	LiFePO4
Charging Characteristics	Cell Type	54.71V	54.71V	58.2V
	Charge Voltage	10A	20A	20A
	Standard Charging Current	50A	100A	100A
Discharge Characteristics	Max.Continuous Charging Current	25A	50A	50A
	Standard Discharge Current	50A	100A	100A
	Continuous Discharge Current	100A (3s)	200A (3s)	200A (3s)
	Peak Discharge Current	45.5V	45.5V	42V
Environmental Requirements	Discharge Cut-off Voltage	0~60°C	0~60°C	0~60°C
	Charge Temperature Range	-20°C~65°C	-20°C~65°C	-20°C~65°C
	Discharge Temperature Range	-5~40°C	-5~40°C	-5~40°C
	Storage Temperature Range	65±20% HR	65±20% HR	65±20%HR
	Storage Humidity	453×493×133m	520×241×175m	520×491×171
Mechanical Characteristics	Size(L×W×H)	m	m	530×540×260mm
	Package Size (L×W×H)	530×480×230m	530×540×260m	SPCC
	Shell Material	m SPCC	m SPCC	45kg
	Net Weight	27.5kg	41kg	55kg
	Gross Weight	39.5kg	47kg	1pcs per carton
	Package Method	1pcs per carton	1pcs per carton	≥6000 times
	Cycle Life	≥6000 times	≥6000 times	2% per month
	Self Discharge	2% per month	2% per month	LED Light
	SOC Indication	LED Light	LED Light	RS485/CAN
	Communication Mode	RS485	RS485/CAN	
Matching Inverter	Growatt, Goodwe, Deye, Luxpower, SRNE etc			



**High cycle life**  
4000 cycles @80% DoD for effectively lower total of ownership cost.



**Quickly recharge**  
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



**Longer service life**  
Low maintenance batteries with stable chemistry.



**Extreme heat tolerance**  
Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



**Built in circuit protection**  
Battery Management System (BMS) is incorporated against abuse.



**Lightweight**  
Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



**Better storage**  
Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



**Function**  
Support parallel operation