

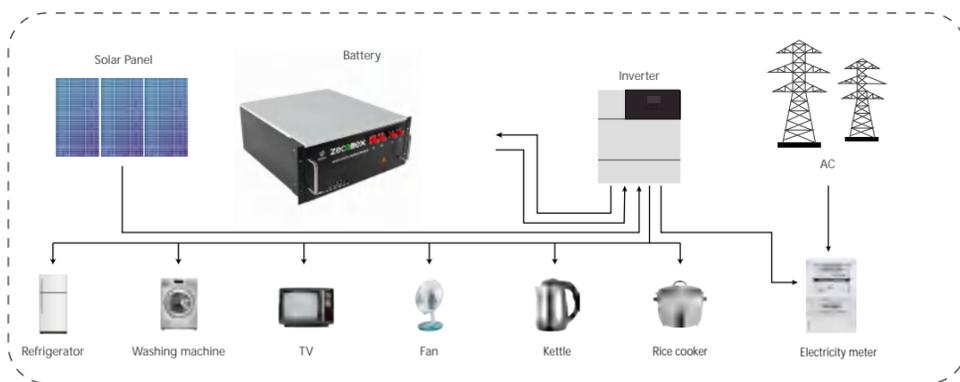
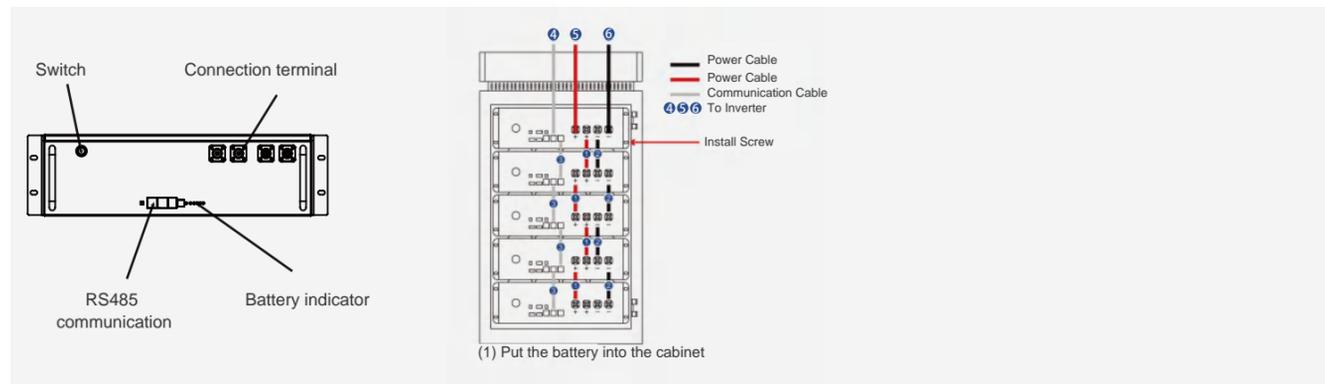
# LiFePO4 Energy Storage Battery-Rack-BR



## 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



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## Specifications

	Model	ZECO-15050BL-BR	ZECO-150100BL-BR	ZECO-160100BL-BR
<b>Basic Characteristics</b>	Nominal Voltage	48V	48V	51.2V
	Nominal Capacity	50Ah	100Ah	100Ah
	Efficiency	≥96%	≥96%	≥96%
	Inner Resistance	10mΩ	7mΩ	7mΩ
	Cell Type	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>
<b>Charging Characteristics</b>	Charge Voltage	54.71V	54.71V	58.2V
	Standard Charging Current	10A	20A	20A
	Max.Continuous Charging Current	50A	100A	100A
<b>Discharge Characteristics</b>	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	45.5V	45.5V	42V
<b>Environmental Requirements</b>	Charge Temperature Range	0~60°C	0~60°C	0~60°C
	Discharge Temperature Range	-20°C~65°C	-20°C~65°C	-20°C~65°C
	Storage Temperature Range	-5~40°C	-5~40°C	-5~40°C
<b>Mechanical Characteristics</b>	Storage Humidity	65±20% HR	65±20% HR	65±20%HR
	Size(L×W×H)	453×493×133mm	520×241×175mm	520×491×171
	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
	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			



**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