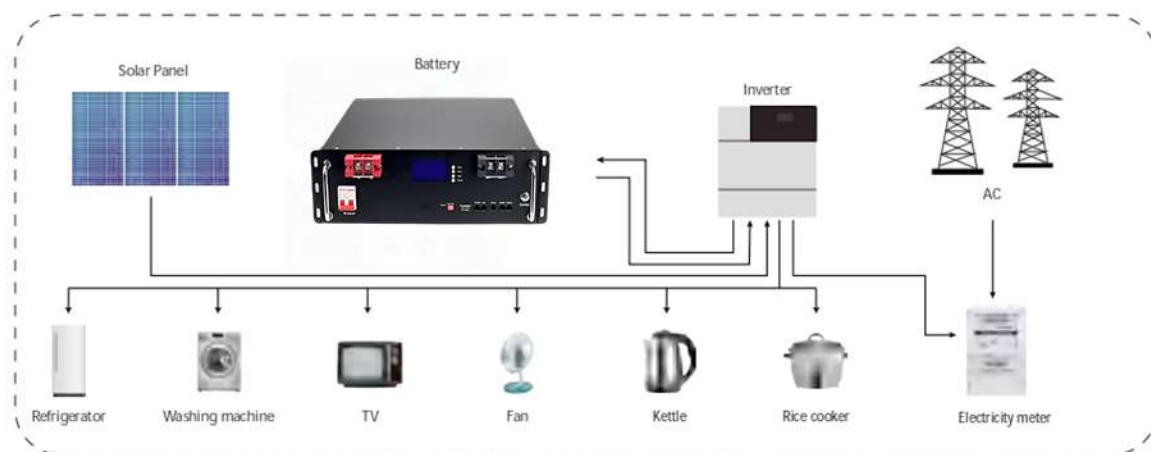


# LiFePO4 Energy Storage Battery-Rack-BR



- Standardized design : standard 3U and 40 case , good applicability
- In parallel to enlarge energy . Add the current limiting module , support multiple battery parallel use , expand the battery capacity , meet the 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 , over discharge 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 .



## SPECIFICATIONS

Model	TLH-BL-BR-1	TLH-BL-BR-2	TLH-BL-BR-3	TLH-BL-BR-4	TLH-BL-BR-5
Nominal Voltage	48V	48V	51.2V	51.2V	102.4V
Nominal Capacity	50Ah	100Ah	50Ah	100Ah	50Ah
Efficiency	≥96%	≥96%	≥96%	≥96%	≥96%
Inner Resistance	10mΩ	7mΩ	10mΩ	7mΩ	20mΩ
Cell Type	LifePO4	LifePO4	LifePO4	LifePO4	LifePO4
Charge Voltage	54.75V	54.75V	58.4V	58.4V	116.8V
Standard Charging Current	10A	20A	10A	20A	10A
Max. Continuous Charging Current	50A	100A	50A	100A	50A
Standard Discharge Current	10A	20A	10A	20A	10A
Continuous Discharge Current	50A	100A	50A	100A	50A
Peak Discharge Current	100A ( 3S )	200A ( 3S )	100A ( 3S )	200A ( 3S )	100A ( 3S )
Discharge Cut-off Voltage	30V	30V	32V	32V	64V
Charge Temperature Range	0~50°C	0~50°C	0~50°C	0~50°C	0~50°C
Discharge Temperature Range	-20°C~50 °C	-20°C~50 °C	-20°C~50°C	-20°C~50°C	-20°C~50°C
Storage Temperature Range	-30°C~60°C	-30°C~60°C	-30°C~60°C	-30°C~60°C	-30°C~60°C
Storage Humidity	65 ±20% HR	65 ±20% HR	65 ±20% HR	65 ±20%HR	65 ±20%HR
Size ( LxWxH )Package	640x510x180mm	640x510x180mm	640x510x180mm	640x510x180mm	640x510x180mm
Size ( LxWxH )	580x445x117.5mm	580x445x117.5mm	580x445x117.5mm	580x510x117.5mm	580x445x117.5mm
Shell Materia	SPCC	SPCC	SPCC	SPCC	SPCC
Net Weight	27.5kg	50kg	27.5kg	50kg	50kg
Gross Weight	29.5kg	52kg	29.5kg	52kg	52kg
Package Method	1pcs per carton	1pcs per carton	1pcs per carton	1pcs per carton	1pcs per carton
Cycle Life	≥6000 times	≥6000 times	≥6000 times	≥6000 times	≥6000 times
Self Discharge	2% per month	2% per month	2% per month	2% per month	2% per month
SOC Indication	LED Light	LED Light	LED Light	LED Light	LED Light
Communication Mode	RS485	RS485	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



### Longer service life

Low maintenance batteries with stable chemistry



### Built in circuit protection

Battery Management System(BMS) is incorporated against abuse



### Better storage

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



### Quickly recharge

Save time and increase productivity with less down time thanks to superior charge / discharge efficiency



### Extreme heat tolerance

Suitable for use In a wider range of applications where ambient temperature is unusually high up to + 60 °C



### Light weight

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



### Function

Support parallel operation