



Battery dedicated



*Solar Technology*



2022

FELICITY SOLAR

Battery dedicated



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# LiFePO4 BATTERY LPBA



## PRODUCT PARARAMETERS

Usable Capacity	8.7KWH
Nominal Voltage	51.2
Voltage Range	48-57.6
Recommend Charge Cut-off Voltage	57.6
Recommend Discharge Cut-off Voltage	48
MAX. Charge & Discharge Current	120A @10S
Recommend Charge&Discharge Current	≤80A
MAX. Output Power	6000W
Recommend Output Power	4000W
DOD	≥95%
Modules Connection	1~12 in parallel
Communication	CAN&RS485
Ingress Protection	IP21
Cycle Life	≥6000@25°C, 80%DOD
Working Temperature Range	Discharge:-20°C to +60°C, Charge:+0°C to +55°C
Net Weight(KG)	71KG
Gross Weight(KG)	89KG
Product Dimension(MM)	755x600x160MM
Package Dimension(MM)	855x 700x330MM

## Product Description

Strong series is designed for residential and commercial Energy Storage applications, with LiFePo4 chemistry battery which has been widely recognized as one of the safest battery technologies.

**Note:** One group of 48V can be stacked up to 2 layers, and up to 12 in parallel connection.



## Convenient CAN&RS485 Communication





Battery

# LiFePO4

BATTERY SYSTEM



# LPBF

## Series 24200-48300

- Long warranty period: 3-5 years
- Iron phosphate-lithium power battery
- Support connected in parallel mode for expansion
- Higher energy density, smaller volume for household.
- Photovoltaic system: This battery pack is designed for household photovoltaic systems.
- Battery management system (BMS): The battery packs built-in BMS monitors its operation and prevents the battery from operating outside design limitations.
- Expandability: This battery pack can be easily expanded by adding expansion battery packs in parallel connection.

# LiFePO4 BATTERY SYSTEM

## LPBF Series 48250-48300





## PRODUCT PARARAMETERS

Model		
Usable Capacity	12.5KWh	15KWh
Nominal Voltage	51.2	51.2
Voltage Range	48-57.6	48-57.6
MAX. Charge & Discharge Current	200A@30S	
Recommend Charge & Discharge Current	≤120A	
MAX. Output Power	10000W	
Recommend Output Power	6000W	
DOD	≥95%	
Modules Connection	1~6in parallel	
Communication	CAN&RS485	
Ingress Protection	IP21	
Cycle Life	≥6000@25°C ,80%DOD	
Working Temperature Range	Discharge:-20°C to +65°C, Charge:+0°C to +55°C	
Net Weight(KG)	154KG	
Gross Weight(KG)	177KG	
Product Dimension(MM)	615*350*955MM	
Package Dimension(MM)	715*445*1125MM	

## Product Description

Strong series is designed for residential and commercial Energy Storage applications, with LiFePo4 chemistry battery which has been widely recognized as one of the safest battery technologies.



Front view



Side view

## Convenient CAN&RS485 Communication





# Battery

## PROJECT CASE

Industrial solar power system is more and more popular because it is an effective solution to supply continuous power for unstable power area in a environmental-friendly way. By now, we have installed power plant in various countries, such as Mali, Nigeria, Columbia and Panama, etc.



**Lebanon battery pack display**



**Guinea battery pack example**



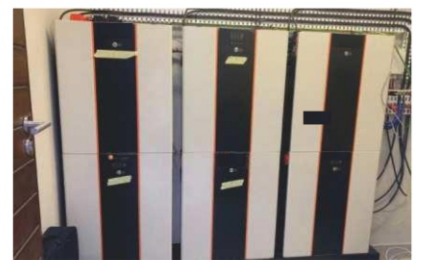
**Senegal battery pack example**



### R.D.Congo Battery pack example



### Cameroon battery pack example



### Case of Lithium Battery in Bamako, Mali

