



## Smart Lifepo4 Solar Lithium Phosphate Battery 100ah 12V 240ah Battery 1kw 3kw

Our Product Introduction

for more products please visit us on [enikolnewenergy.com](http://enikolnewenergy.com)

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ENIKOL
- Model Number: ESK1210P/ ESK1224B
- Minimum Order Quantity: 2 pieces
- Price: \$196.00 - \$424.00/pieces
- Supply Ability: 1000 Set/Sets per Month

ENIKOL



### Product Specification

- Weight: 30.8kg
- The Charging Ratio: 99%
- The Discharge Rate: 98%
- Storage Type: Standard Storage
- Anode Material: LFP
- Application: Toys, Power Tools, Home Appliances, Consumer Electronics, BOATS, Golf Carts, SUBMARINES, Electric Bicycles/Scooters, Electric Vehicles, Electric Wheelchairs, Electric Power Systems, Solar Energy Storage Systems, Uninterruptible Power Supplies, Electric For
- Rated Capacity: 100AH(1280WH)/ 240AH(3072WH)/ Customized
- Rated Voltage: 12.8V
- Display: LCD
- Cycle Life: ≥6000 Times

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### More Images

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## Product Description

Smart Solar Energy Phosphate Batteries 12v 240ah Lifepo4 Battery 1kw 3kw Lithium Battery 100ah 12v

### Specification

item	value
Brand Name	ENIKOL
Model Number	ESK1210P/ ESK1224B
Place of Origin	China
	Guangdong
Weight	30.8kg
The charging ratio	99%
The discharge rate	98%
Storage Type	standard storage
Warranty	3 years
Anode Material	LFP
Application	Toys, Power Tools, Home Appliances, Consumer Electronics, BOATS, Golf Carts, SUBMARINES, Electric Bicycles/Scooters, Electric Forklifts, electric vehicles, Electric Wheelchairs, Electric Power Systems, Solar Energy Storage Systems, Uninterruptible Power Supplies, Electric Forklifts
Rated Capacity	100AH(1280WH)/ 240AH(3072WH)/ Customized
Rated Voltage	12.8V
Display	LCD
Cycle Life	≥6000 times
Warranty	3 years
Design Life	20 years
Shell Material	Antistatic flame retardant PC
Series Connection	Support (optional)
Charging Temperature	0 to +55
Operating Temperature	-20 to +65

### Product Description

**Compact Size:** 12V lithium batteries come in a compact form factor, making them easy to install and integrate into various systems.

**Increased Efficiency for Solar Systems:** Lithium batteries are well-suited for solar power systems, as they can efficiently store and release energy generated from solar panels.

**Environmental Friendliness:** Lithium batteries are more environmentally friendly than lead-acid batteries, as they do not contain toxic heavy metals.

# LIFEPO4 SOLAR BATTERY

LIFEPO4 PACK ,SAFE AND RELIABLE





### Safe and Reliable

New grade A LiFePO4 battery cell



### Longer Lifetime

More than 5000 cycles, 20 years of design life



### Intelligent BMS

Equalization module, balance all battery cells in short time



### Automatic Protection

Built-in 6 automatic protection function, more secure



### Series Connection

Support series connection to increase voltage, up to 51.2V

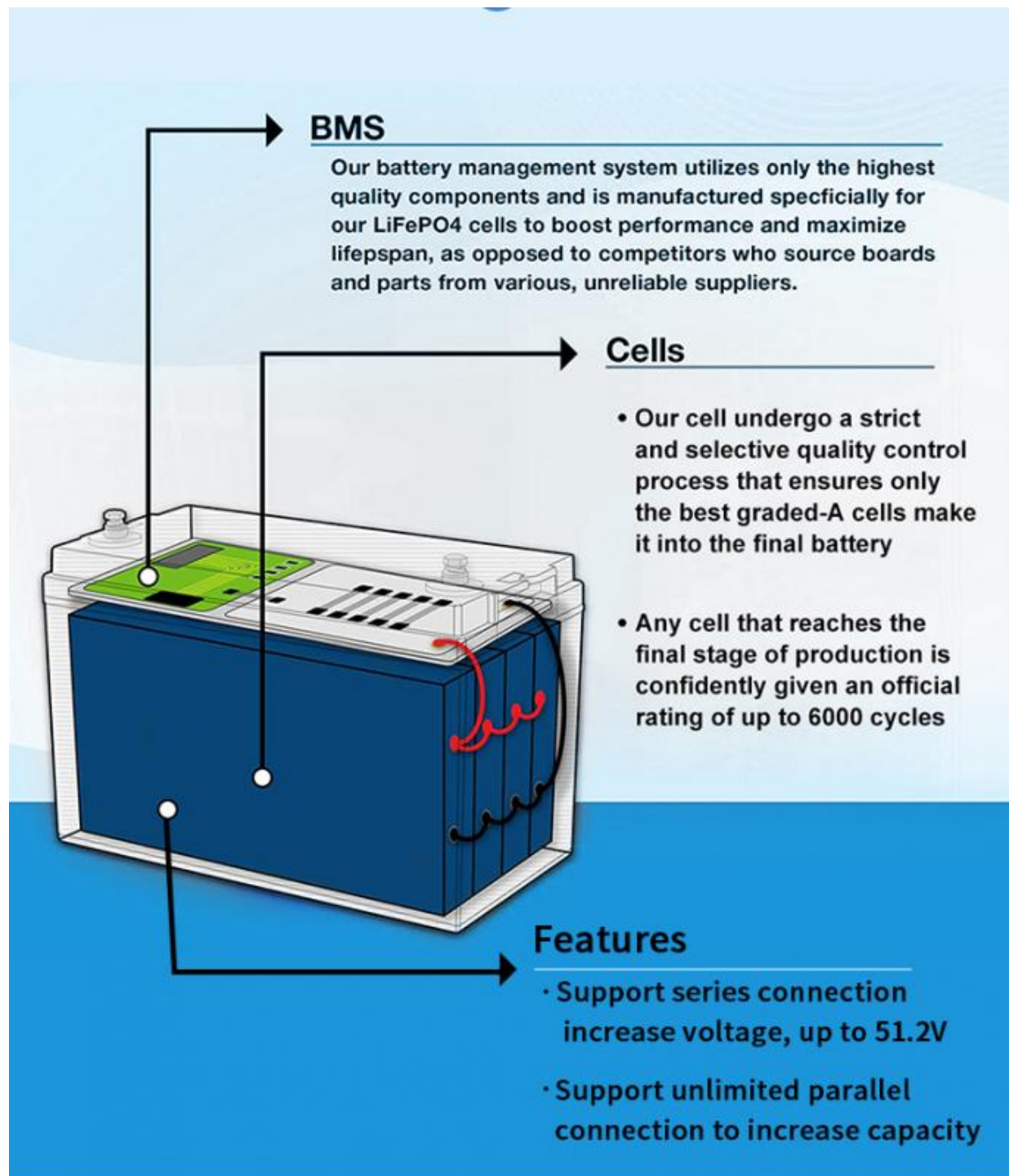


### Certifications

MSDS, UN38.3, CE, FCC, UKCA

## LiFePO4 INTERNAL COMPONENTS





**Built in BMS Protection**



## Built-in BMS Protection



## Connection of Solar Panel( MPPT) and Battery



· ESK-1210P



· ESK-1224B

Item	Specification			
Model	ESK-1210P	ESK-1213S	ESK1220B	ESK1224B
Rated capacity	100Ah (1280WH)	130AH(1664WH)	200AH(2560WH)	240AH(3072WH)
Nominal voltage	12.8V			
Discharge end voltage	10V			
Charging limit voltage	14.6V			
Max charging current	50A		100A	
Max continuous discharging current	100A			200A
Weight(KG)	12.4	15.5	28	31
Display	LCD display			
Dimension (L* W * H) mm	330*170*220	480*240*210	490 * 260* 220	
Design life	20 years			
Cycle life	≥5000 times			≥6000 times
Series connection	Support (optional)			
IP	IP55			
Shell material	Antistatic flame retardant PC			
Charging temperature	0 to + 55 ° C			
Operating temperature	-20 to + 65° C			
Certificate	CE FCC UKCA UN38.3 MSDS			

Protection functions

overcharge protection, over discharge protection, over-current protection, short circuit protection, over temperature protection and low battery alarm.

ACCEPT OEM

# LiFePO<sub>4</sub> APPLICATIONS



## ► MOTIVE POWER



Avg



Wheelchairs



Golf carts



Scissor Lift

## ► RENEWABLE ENERGY STORAGE SYSTEMS



Solar Panel Systems



Wind Power Systems

## ► LOCOMOTION & POWER FOR TRAVEL



RV



Yacht



PHEV



# Two Charging Methods



## Solar Panel Charging

1. Rated Voltage: 12.8V
2. Charging Limit Voltage: 14.6v



# Our Cooperation Partner



**LONGI** 隆基

**PHILIPS**



**Schneider Electric**  
施耐德电气



**ZTE**中兴



**EVE** 亿纬锂能

**CATL**  
宁德时代

## Complete Product Certification

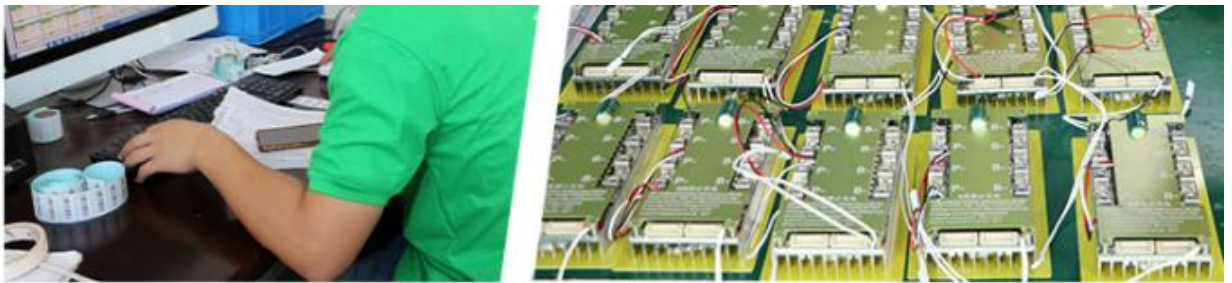




# Factory Show







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