



## 12V 48V Lithium Ion Battery Lifepo4 100ah 200ah 240ah Solar Energy Storage System

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: ESK1224B
- Minimum Order Quantity: 2 pieces
- Price: \$477.00/pieces

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### Product Specification

- The Charging Ratio: 99%
- The Discharge Rate: 98%
- Storage Type: Standard Storage
- Anode Material: LFP
- Application: 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 Fo
- Rated Capacity: 100AH(1280WH)/ 240AH(3072WH)/ Customized
- Rated Voltage: 12.8V
- Display: LCD
- Cycle Life: ≥6000 Times
- Warranty: 3 Years, 5years

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### More Images

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## Product Description

Battery Lifepo4 200ah 240ah Battery Lithium Ion 12v 100ah 48v Battery Solar Energy Storage System

Model	ESK-1210P	ESK-1224B
Rated Capacity	100AH(1280WH)	240AH(3072WH)
Rated Voltage	12.8V	
Max Charging Current	50A	100A
Max continuous discharge current	100A	200A
Product Size	330*170*220mm	490*260*220mm
N.W	12.4kg	30.8kg
Cycle life	≥5000 times	≥6000 time
IP	IP55	
Series Connection	Support, MAX four in series connection to 48V (Optional)	
Warranty	3 years	
Design Life	20 years	
Shell Material	Antistatic flame retardant PC	

Details:


1. Ultra-long cycle life, the cycle life reaches more than 6000 times,
2. It is safe to use. Under abuse conditions, the inside or outside of the battery is injured, the battery does not burn, does not explode, and safety is the best
3. It can be charged and discharged quickly with a large current;
4. Good performance at high temperature, wide working temperature range ;







### Product Description

# LIFEPO4 SOLAR BATTERY

LIFEPO4 PACK ,SAFE AND RELIABLE



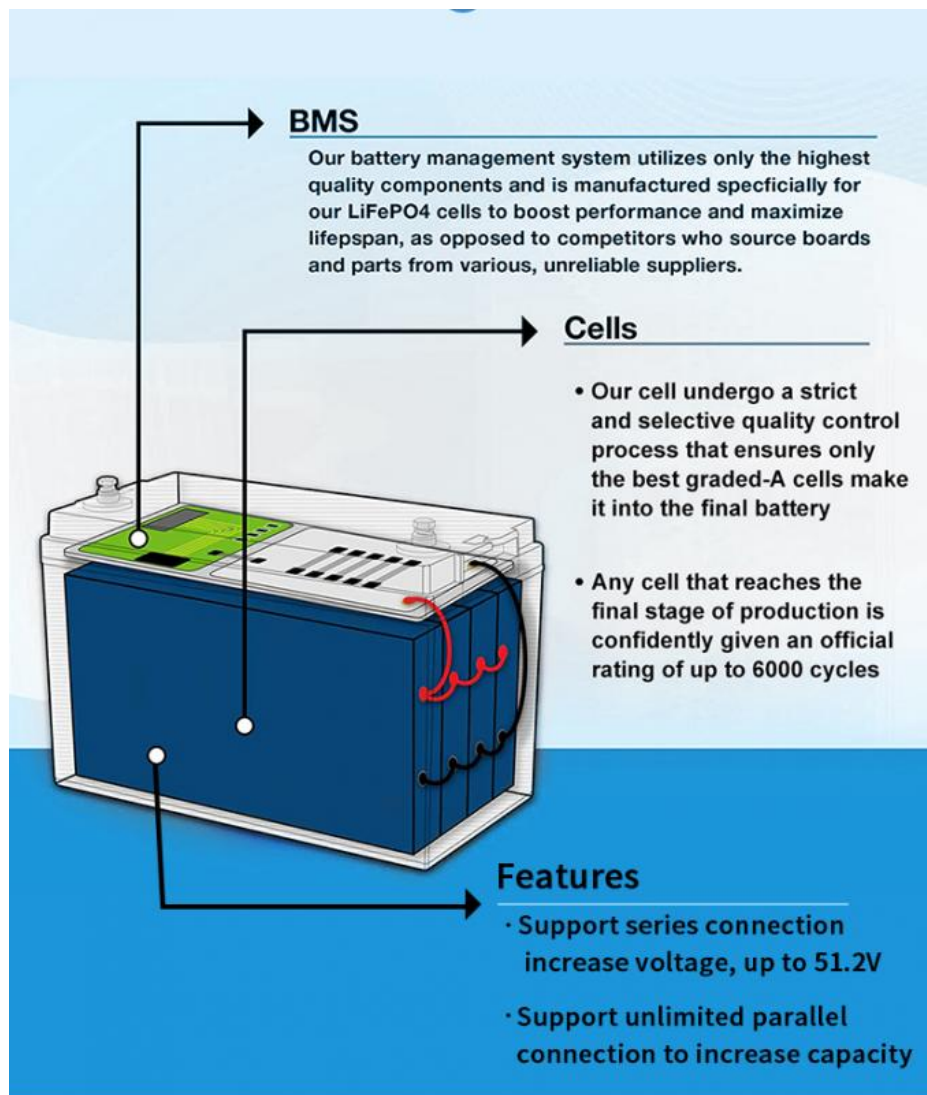


 <b>Safe and Reliable</b> New grade A LiFePO4 battery cell	 <b>Longer Lifetime</b> More than 5000 cycles, 20 years of design life	 <b>Intelligent BMS</b> Equalization module, balance all battery cells in short time
 <b>Automatic Protection</b> Built-in 6 automatic protection function, more secure	 <b>Series Connection</b> Support series connection to increase voltage, up to 51.2V	 <b>Certifications</b> MSDS, UN38.3, CE, FCC, UKCA

# LiFePO4

## INTERNAL COMPONENTS





**Built in BMS Protection**

## BUILT-IN BMS PROTECTION



## Connection of Solar Panel( MPPT) and Battery



## Product Information



· 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 Systwms

### ► 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**

**中国节能**

**Schneider Electric**  
施耐德电气



**YINGLI SOLAR**

**ZTE中兴**

**中国移动**  
China Mobile

**Trinasolar**  
天合光能

**EVE** 亿纬锂能

**CATL**  
宁德时代

## Complete Product Certification

**UN38.3 TEST REPORT**  
**UN38.3 检测报告**

Report No.: CMC200902015

Name of Goods: Power Li-ion battery

Model: ESK1210P

Type: 12.8V 130Ah 12800Wh

Client: Shenzhen new energy technology (Shenzhen) Co., Ltd.

Commission Test: 委托测试

Tested by: 测试人: [Signature]

Inspected by: 审核人: [Signature]

Date of Issue: 2022.10.20

Approved by: 批准人: [Signature]

Seal of CMC: [Stamp]

CMC Testing International (Shenzhen) Co., Ltd.

**CERTIFICATE**  
**ATTESTATION**  
**Certificate of Compliance**

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

The CMC Directive 2014/53/EU has been taken as reference for these products.

Client's Holder: Shenzhen new energy technology (Shenzhen) Co., Ltd.

Address: Plant A, Yanting Industrial Park, Ganyu Road, Yanting Town, Yanting District, Dongguan City, Guangdong, China

Manufacturer: Shenzhen new energy technology (Shenzhen) Co., Ltd.

Address: Plant A, Yanting Industrial Park, Ganyu Road, Yanting Town, Yanting District, Dongguan City, Guangdong, China

Product Name: Power Li-ion battery

Product Model(s): ESK1210P, ESK1204S, ESK1210D, ESK1220S, ESK1221

Trade Mark: N/A

Related Directive: 2014/53/EU

Harmonized Standards: EN IEC 61000-6-3:2014, EN IEC 61000-6-1:2019

Certificate Number: HK03020401-HC-003

Report No.: HK03020401-HC-003

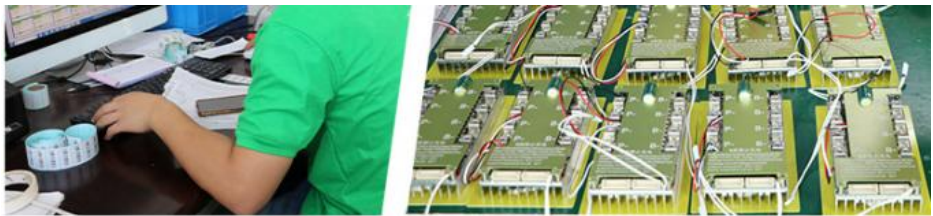
Registration Date: Oct. 14, 2022

CE mark



## Factory Show





## PAYMENT & DELIVERY





**Sample room**



**Aging test**



**Laboratory**



**Production workshop**



**Packaging workshop**

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