



## Commercial Energy Storage Lithium Battery 24V 48V Lithium Ion Battery Pack

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
- Certification: CE, FCC, UKCA, UN38.3, MSDS
- Model Number: ESK4810CR/ ESK2420CR
- Minimum Order Quantity: 2 pieces
- Price: \$980.00/pieces 2-499 pieces
- Supply Ability: 10000 Piece/Pieces per Month

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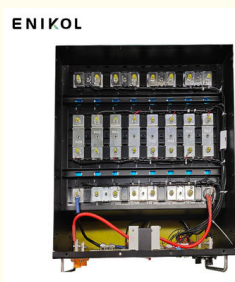
### Product Specification

- Weight: 43kg
- 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: 25.6V200AH/51.2V100AH(5120WH)
- Rated Voltage: 25.6V/51.2V
- Display: LCD
- Cycle Life: ≥6000 Times
- Warranty: 5 Years, 5 Years

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### More Images



## Product Description

### Commercial Energy Storage 24v Lithium Batteries For Solar Systems 48v Lithium Ion Battery Pack

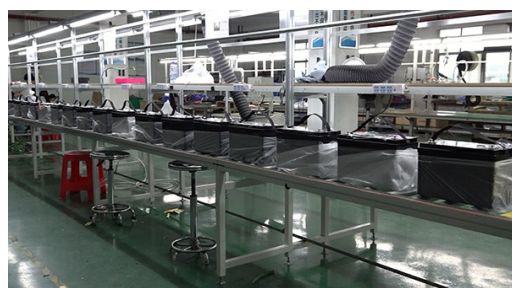
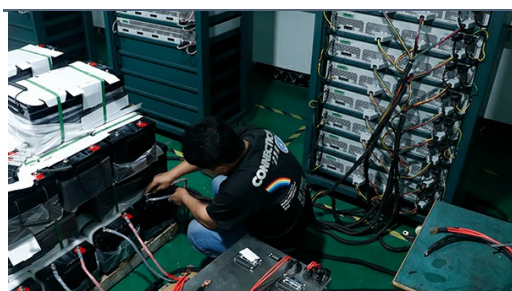
Product Model:	ESK-2420CR	ESK-4810CR	ESK-4805CR
Type of Battery:	Lithium Iron Phosphate		
Type of Battery:	16S1P		
Max parallel:	64sets		
Rated capacity:	200AH(5120WH)	100AH5120WH	50AH(2560WH)
Rated voltage :	25.6v	51.2v	51.2v
Charging voltage:	29.2V	58.4V	58.4V
Max charging current :	100A		50A
Max continuous discharge current:	100A		
Weight:	43kg	43kg	27kg
Display:	LCD		
Dimension (L* W * H) mm:	460*442*117	460*442*117	442*360*132.5
Warranty :	5 years		
communication faction:	CAN/RS485 or dry contact		
communication faction:	≥6000 times		
Charging temperature:	0 to +55		
Operating temperature:	-20 to +65		
Protection function:	overcharge protection,over discharge protection,over-current protection,short circuit protection,over temperature protection and low voltage alarm		

**Simplified maintenance:** Each stackable unit can be individually monitored and serviced, simplifying maintenance and troubleshooting.

**Reduced downtime:** In case of a failure or maintenance requirement, only the affected stackable unit needs to be addressed, minimizing system downtime.

**Easy battery replacement:** If a stackable unit fails, it can be easily replaced without impacting the operation of the remaining units.

## Why Choose Us



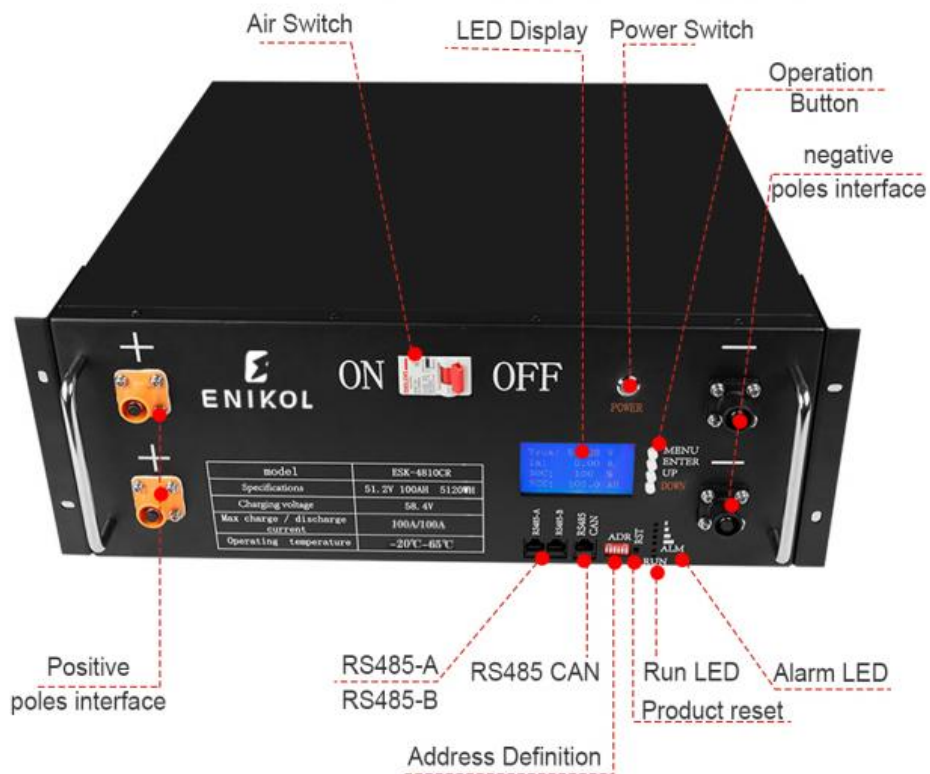


## Match all mainstream 48Vdc solar inverter



With RS485/CAN communication protocol which can better match with 14 brands of solar inverter(PYLONTECH/GOODWE/Growatt/SMA/Victron/TBB/Must/Srne/MEGAREVO/Deye/INVT/Voltronic/SOFAR/SOROTEC)

## Products Description



**ENIKOL**



Safe and Reliable



# Modular Rack Mounted Lithium Iron Phosphate Solar Battery



NEW GRADE A EVE LIFEPO4 BATTERY CELL



## FEATURE

# Main Features

SIX KEY FEATURES UPGRADE



### Safe and Reliable

New grade A EVE  
LiFePO4 battery cell



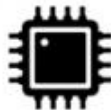
### Longer Lifetime

More than 6000 cycles,  
20 years of design life



### Smart BMS

Intelligent BMS,  
equalization module,  
6 protection functions



### Better Match Inverter

CAN/RS485 Communication  
protocol better match with  
solar inverter



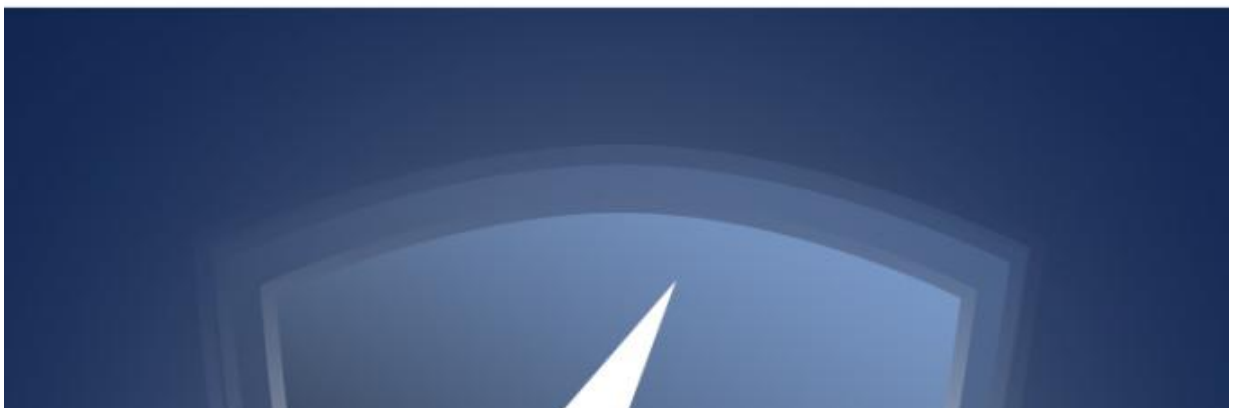
### Modular Stacked

Modular rack design, easy  
to stack, supporting up to  
64 sets in parallel



### Certifications

MSDS, UN38.3, CE,  
FCC, UKCA





The new EVE lithium iron phosphate battery cell is used, which has high energy density, good high temperature performance, ultra long cycle life, strict quality standards, and is safe and reliable. Widely used in UPS, electric vehicles, large energy storage projects, etc

## Our Advantages:

**[Longer Life]:** New grade A LiFePO4 blade battery cell,Cycle life $\geq$ 6000-8000 times,safe,reliable and longer life. We have 20+ years of design experience.

**[Extremely Safe]:**Built-in automatic protection which can prevent overcharge, overdischarge, overvoltage, short circuit, low voltage alarm and over temperature. Rack mounted design,Firm structure and easy installation.

**[Smart BMS]:** Our lithium battery has a built-in Battery Management System (BMS) to balance all cells,we can ensure consistency and stability during battery use.

**[Wide Application]:** Suitable for home energy storage,Photovoltaic energy storage projects,Wind energy storage,UPS, Energy storage of base station, Fire emergency equipment,RV,etc.

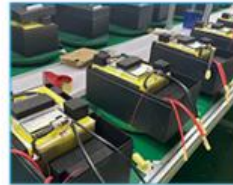
## LINE OF PRODUCTION



Battery Cell Testing and Matching



Assembling Battery Pack



Connect BMS Main Board



Shell Assembling



Parameter and Performance Testing



Aging and QC Testing

## OUR CERTIFICATES



## Installation Cases





## Review From The Customers

M\*\*\*\*\*k  
United States

Supplier Service: **Very satisfied** (5 stars)  
On-time Shipment: **Very satisfied** (5 stars)

04 May 2023 01:28



48V lithium ion battery total capacity 10KWH 5K...

★★★★★

**wooden box package**

Many thanks for your timely service for my order, the **wooden box package** are very well for the batteries after I received the goods, keep very well and no any damage during shipping.

0



Rechargeable 5kw 10kw LiFePO4 Lithium Battery 24V...

★★★★★

Many thanks for your timely service for my order, the wooden box package are very well for the batteries after I received the goods, **keep very well and no any damage during shipping!**

**no damage during shipping!**

1

M\*\*\*e  
Canada

★★★★★

2023/05/04

Good quality. the body is **very durable** the seller responds very quickly, I highly recommend.

**very durable** 👍

M\*\*\*e  
Canada

★★★★★

2023/05/04

Excellent quality product. Wonderful communication everything went very professional. Glad I found this seller on Ali baba. I highly recommend buying product from them.

M\*\*\*k  
United States

★★★★★

2023/05/04

Many thanks for your timely service for my order, the wooden box package are very well for the batteries after I received the goods, keep very well and no any damage during shipping.

M\*\*\*k  
United States



Factory 48v solar battery lithium ion Deep Cycle 48 vo...

★★★★★

Perfect product as usual. Quick reliable supplier that is always very knowledgeable.

0

M\*\*\*e  
Canada

★★★★★

**prepare for the second order!**

2023/03/01

The quality of the battery is very good, powerful power, very professional supplier, **let me prepare the second order** thank you!

M\*\*\*e  
Canada

★★★★★

**quality is great!**

2022/07/21

Already received the product, it looks great and it's easy to use, the point is that the **quality is great!**

M\*\*\*e  
Canada

★★★★★

**high quality at good price!**

2022/07/21

I was pleasantly surprised by this battery **well worth it for such a quality product at this price.**



Energy storage lithium battery



Energy storage system



Outdoor portable power station



Solar inverter

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