

## Solar Thermal Energy Lithium Battery Lifepo4 24V 200ah 48V 100ah LFP 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/MSDS/UN38.3
- Model Number: ESK2420D/ESK4810D
- Minimum Order Quantity: 2 pieces
- Price: \$832.00/pieces 2-19 pieces

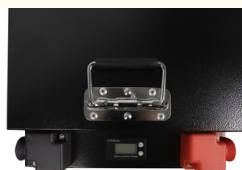


### Product Specification

- Weight: 40kg
- 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
- Shell Material: Black Painted Steel (optional)



### More Images



## Product Description

Solar Thermal Energy 24v 200ah Lithium Battery For Sale Lifepo4 48v 100ah Lfp Battery Pack

### Specification

| item                 | value                                                                 |
|----------------------|-----------------------------------------------------------------------|
| ESK2420DModel Number | ESK2420D/ESK4810D/ESK4820D                                            |
| Place of Origin      | China                                                                 |
|                      | Guangdong                                                             |
| Brand Name           | ENIKOL                                                                |
| Battery Type         | LiFePO4                                                               |
| Rated Capacity       | 100AH/200AH                                                           |
| Rated Voltage        | 25.6V/51.2V                                                           |
| Display              | LCD                                                                   |
| Cycle Life           | ≥6000 times                                                           |
| Shell Material       | Black painted steel (optional)                                        |
| Size                 | 530*320*210/530*400*320                                               |
| N,W                  | 40kg/82kg                                                             |
| Design life          | 20 years                                                              |
| Other functions      | support Bluetooth, series connection and heating functions (optional) |
| Certification        | CE/FCC/MSDS/UN38.3                                                    |

### Advantages

**Compact Size:** Despite their higher voltage, 48V lithium batteries can still maintain a relatively compact size. This makes them suitable for applications where space is limited, such as data centers, electric vehicles, and renewable energy systems.

**Improved Efficiency:** 48V lithium batteries offer improved overall system efficiency due to reduced energy losses during charging, discharging, and power conversion processes. This translates into increased energy savings and reduced operating costs.

### Product Description

# Lithiumiron Phosphate(LiFePO4)

## 12.8V 25.6V 51.2V LiFePO4 pack



**All round protection**  
6 kinds of safety electricity protection



Over temperature



Overvoltage



Overcharge



Low voltage alarm



Overdischarge



Short Circuit



# High quality battery cell

## Lithium Iron Phosphate(LiFePO4)



**ENIKOL**  
**25.6V 130Ah BATTERY**  
LITHIUM IRON PHOSPHATE (LiFePO4)

**ENIKOL**  
**25.6V 130Ah BATTERY**  
LITHIUM IRON PHOSPHATE (LiFePO4)

# LiFePO4 APPLICATIONS

## ► MOTIVE POWER



Avg



Wheelchairs



Golf carts



Scissor Lift

## ► RENEWABLE ENERGY STORAGE SYSTEMS



Solar Panel Systems



Wind Power Systwms

## ► LOCOMOTION & POWER FOR TRAVEL



RV

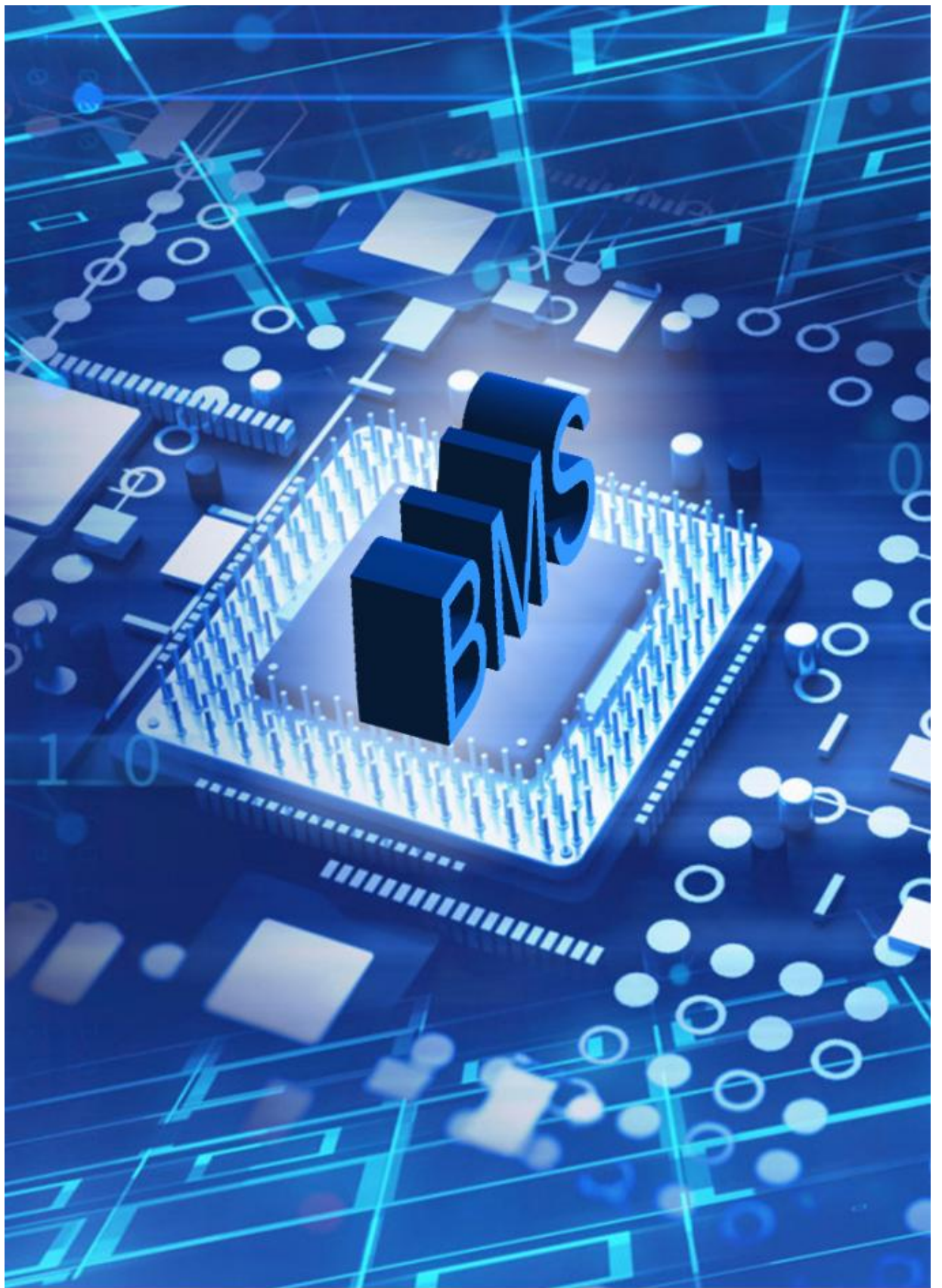


Yacht



PHEV

**Built-in intelligent BMS  
system optimize the performance**



## **Product Parameters**



## OEM and ODM services

| Item                               | Specification                                                                                                                                           |               |               |               |                |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|----------------|
| Model                              | ESK-1213D                                                                                                                                               | ESK1226D      | ESK2413D      | ESK2420D      | ESK4820D       |
| Rated capacity                     | 130Ah(1664WH)                                                                                                                                           | 260AH(3328WH) | 130Ah(3328WH) | 200AH(5120WH) | 200AH(10240WH) |
| Rated Voltage                      | 12.8V                                                                                                                                                   |               | 25.6V         |               | 51.2V          |
| Charging limit voltage             | 14.6V                                                                                                                                                   |               | 29.2V         |               | 58.4V          |
| Max charging current               | 50A-120A                                                                                                                                                |               |               |               |                |
| Max continuous discharging current | 100A-200A                                                                                                                                               |               |               |               |                |
| Weight(KG)                         | 19                                                                                                                                                      | 36.5          |               | 40            | 82             |
| Display                            | LCD display                                                                                                                                             |               |               |               |                |
| Dimension (L* W * H) mm            | 330*200*220                                                                                                                                             | 380*200*310   |               | 530*320*210   | 530*400*320    |
| Design life                        | 20 years                                                                                                                                                |               |               |               |                |
| Cycle life                         | ≥6000 times                                                                                                                                             |               |               |               |                |
| Other functions                    | Support serial connection, Bluetooth and battery heating functions (optional)                                                                           |               |               |               |                |
| Shell material                     | Black painted steel (optional)                                                                                                                          |               |               |               |                |
| 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 voltage alarm. |               |               |               |                |

Customize the voltage, capacity and appearance according to your requirements, and also can use your authorized brand and trademark

# Product Photograph





## Complete Product Certification

|                                                                                                                                                                                                                         |                                                                                                                     |                             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|
|  <b>CMC TESTING</b><br>众核检测                                                                                                          |                                                                                                                     | Report No.: CMC220721006M01 |             |
| <h2>Material Safety Data Sheet</h2> <h3>化学品安全技术说明书</h3>                                                                                                                                                                 |                                                                                                                     |                             |             |
| Report No.:                                                                                                                                                                                                             | CMC220721006M01                                                                                                     |                             |             |
| 报告编号:                                                                                                                                                                                                                   |                                                                                                                     |                             |             |
| Name of sample:                                                                                                                                                                                                         | LiFePO <sub>4</sub> battery pack                                                                                    |                             |             |
| 样品名称:                                                                                                                                                                                                                   | 磷酸铁锂电池                                                                                                              |                             |             |
| Model:                                                                                                                                                                                                                  | ESK-12130                                                                                                           |                             |             |
| 型号:                                                                                                                                                                                                                     |                                                                                                                     |                             |             |
| Type:                                                                                                                                                                                                                   | 12.8V 130AH 1664WH                                                                                                  |                             |             |
| 规格:                                                                                                                                                                                                                     |                                                                                                                     |                             |             |
| Client:                                                                                                                                                                                                                 | Damien new energy technology (Shenzhen) Co., Ltd                                                                    |                             |             |
| 委托单位:                                                                                                                                                                                                                   | 达米尼新能源科技(深圳)有限公司                                                                                                    |                             |             |
| Address:                                                                                                                                                                                                                | Plant A, Yanning mould Industrial Park, Gengyu Road, Tuerkoo community, Yutang street, Guangming District, Shenzhen |                             |             |
| 地址:                                                                                                                                                                                                                     | 深圳市光明区玉塘街道同裕社区恒裕模具工业园广润A栋                                                                                           |                             |             |
| Tested:                                                                                                                                                                                                                 | Ruben Sun 孙其强                                                                                                       | Approved:                   | Jerry Li 李俊 |
| 检测:                                                                                                                                                                                                                     |                                                                                                                     | 批准:                         |             |
| Reviewed:                                                                                                                                                                                                               | Jing Du 杜婧                                                                                                          |                             |             |
| 审核:                                                                                                                                                                                                                     |                                                                                                                     |                             |             |
| Date of Issue:                                                                                                                                                                                                          | 2022-08-01                                                                                                          | Sent of CMC:                |             |
| 签发日期:                                                                                                                                                                                                                   |                                                                                                                     | CMC 审查:                     |             |
| <b>CMC Testing International (Shenzhen) Co., Ltd.</b><br><b>众核检测认证(深圳)有限公司</b>                                                                                                                                          |                                                                                                                     |                             |             |
| <small>           101, Building B, Kaitianshan Industrial Park, Linyan Road, Huangding Community, Fuhai Street, Baoan District, Shenzhen, Guangdong, China<br/>           中国广东省深圳市宝安区福海街道黄定社区林仙路101号B座         </small> |                                                                                                                     |                             |             |
| 4008-1888-520                                                                                                                                                                                                           | cmc@cmctesting.com                                                                                                  | www.cmc-test.com            | C / J - 02  |



This certificate is applicable for testing sample only  
Please refer to the corresponding test report to get testing parameters and data.

# CERTIFICATE

## ATTESTATION of conformity with UK legislation

|                             |                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Certificate's Holder</b> | Damen new energy technology (Shenzhen) Co., Ltd.                                                                          |
| <b>Address</b>              | Plant A, Yeming mould Industrial Park, Genyu Road, Tanshan community, Yiliang street, Guangning District, Shenzhen, China |
| <b>Manufacturer</b>         | Damen new energy technology (Shenzhen) Co., Ltd.                                                                          |
| <b>Address</b>              | Plant A, Yeming mould Industrial Park, Genyu Road, Tanshan community, Yiliang street, Guangning District, Shenzhen, China |
| <b>Product Name</b>         | Power Li-ion battery                                                                                                      |
| <b>Product Model (S)</b>    | ESKA820CWP, ESKA820CV, ESKA810CW, ESKA810CR, ESKA805CR, ESKA814CWP, ESKA8050, ESKA8240, ESKA820, ESKA825CV, ESKA825CV     |
| <b>Trade Mark</b>           | Apik                                                                                                                      |

| Complex with the requirements of the:                               |                          |
|---------------------------------------------------------------------|--------------------------|
| UK [EMC Regulation]<br>(30 2018/100 L) (Emission) (Schedule 1, 1.a) | BS EN IEC 61000-6-3:2021 |
| UK EMC Regulations<br>(30 2018/100 L) (Immunity) (Schedule 1, 1.b)  | BS EN IEC 61000-6-1:2019 |

|                                                                                                                               |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Certificate Number</b> : HK2205062415E<br><b>Report No.</b> : HK2205062415-1ER<br><b>Registration Date</b> : Sep. 30, 2022 | <br>Certification Engineer |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|



**General Remarks:**

The tests were performed in normal operation mode.

The test results apply only to the particular specimen tested.

This certification does not imply assessment of the production of the product.

This UKCA marking may not affect on the product if all relevant UK legislative acts fulfill



**Shenzhen HIKMA Testing Technology Co., Ltd.**  
1008 110P, Building 10, Jiaheji Guangming District Innovation Park Heping, Pinghe Road, Nanshan District, Shenzhen Guangdong, China  
 Tel: 86-755-8302 8899 Email: info@hikma.com.cn Products in China or Abroad: Certification mark only



This certificate is requested by testing sample only.  
Please refer to the corresponding test report to get more information and details.

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## SUPPLIER'S DECLARATION OF CONFORMITY

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### ATTESTATION

The Product has been tested and found compliance with the requirement of 47 CFR of PART 15 test for radiation and conduction emission.

Based on the following criteria and procedures, product complies with FCC rules conformity assessment:

|                    |                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------|
| Certificate Holder | Dansen new energy technology (Shenzhen) Co., Ltd.                                                                        |
| Address            | Plant A, Yeming mould Industrial Park, Ganyu Road, Tianjin community, Yutang street, Guangming District, Shenzhen, China |
| Manufacturer       | Dansen new energy technology (Shenzhen) Co., Ltd.                                                                        |
| Address            | Plant A, Yeming mould Industrial Park, Ganyu Road, Tianjin community, Yutang street, Guangming District, Shenzhen, China |
| Product Name       | Power Li-ion battery                                                                                                     |



ESG48C010VW ESG48C02C ESG48C03C ESG48C04C ESG48C05C


 This certificate is responsible for testing records only.  
 Please refer to the corresponding test report to get testing processes and data.

# CERTIFICATE

## ATTESTATION Certificate of Compliance

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

The EMC Directive 2014/53/EU has been taken as a reference for these processes.

|                      |   |                                                                                                                           |
|----------------------|---|---------------------------------------------------------------------------------------------------------------------------|
| Certificate's Holder | ➤ | Dantien new energy technology (Shenzhen) Co., Ltd                                                                         |
| Address              | ➤ | Plant A, Yeming mould industrial Park, Gemyu Road, Tanlian community, Yuling street, Guanganing District, Shenzhen, China |
| Manufacturer         | ➤ | Dantien new energy technology (Shenzhen) Co., Ltd                                                                         |
| Address              | ➤ | Plant A, Yeming mould industrial Park, Gemyu Road, Tanlian community, Yuling street, Guanganing District, Shenzhen, China |
| Product Name         | ➤ | Power Union battery                                                                                                       |



# Our Cooperation Partner

**LONGI** 隆基

**PHILIPS**



**Schneider Electric**  
施耐德电气

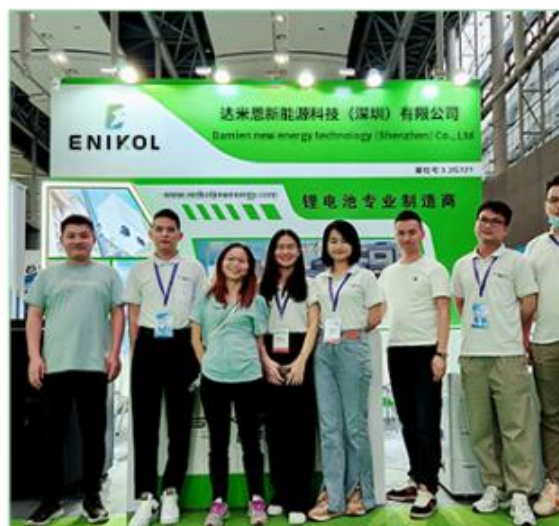
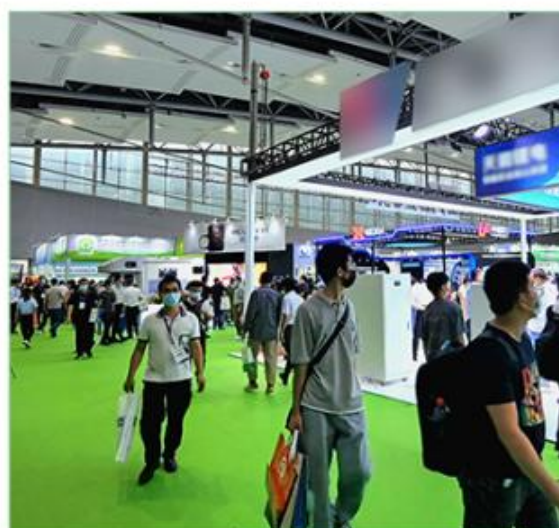
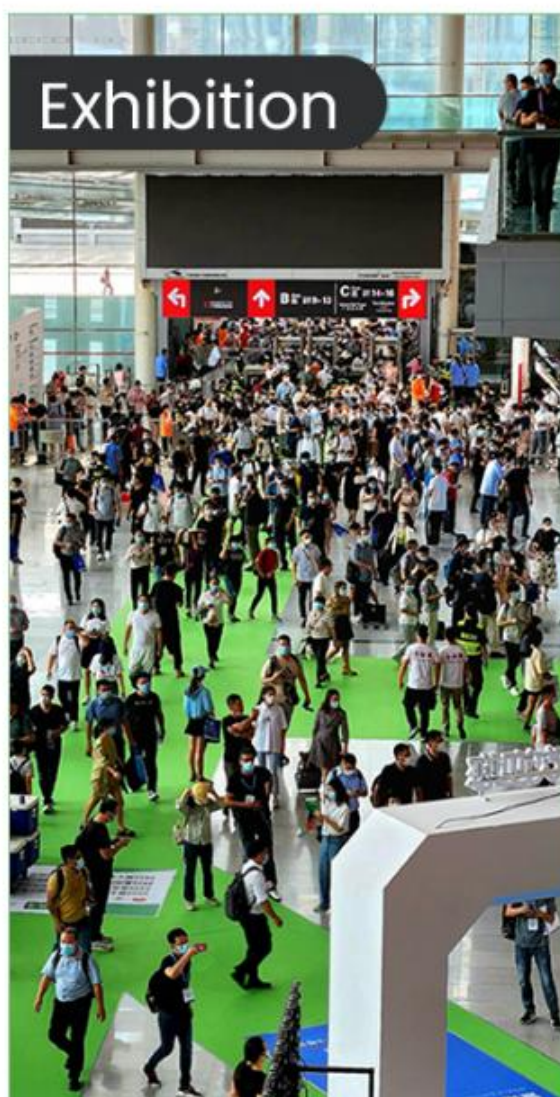


**ZTE** 中兴



**EVE** 亿纬锂能

**CATL**  
宁德时代



**ENIKOL** Damien New Energy Technology (Shenzhen) Co., Ltd.



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