



Office Add: Room 303, Building C, Yuhua Wanda Plaza Office Building,  
Jianhua South Street, Yuhua District, Shijiazhuang, Hebei, China.  
Production area Add: South New Energy Industrial Park at  
the intersection of Chengxiang Avenue and  
Jiamei Road, Jining Economic Development Zone,  
Jining City, Shandong Province, China

## 中北润良新能源（济宁）股份有限公司



Youtube



Facebook

Email: [xiaolubattery@163.com](mailto:xiaolubattery@163.com) WhatsApp: +8618803006070 Skype: live:648506326 Website: [www.xiaolubattery.com](http://www.xiaolubattery.com)  
LinkedIn: <https://www.linkedin.com/company/104270921/admin/feed/posts/?feedType=following>

## XIAO LU PRODUCTION



Xiaolu Li-Battery was established with a registered capital of 252 million Chinese Yuan and currently more than 400 employees, specializing in the R&D, production, sales and application of lithium-ion batteries.

We have a first-class lithium battery automation production line in China and invested in the production base of lithium ion battery, which covers an area of 200 acres in the first phase, with a capacity of 4GWh.

In 2023, our company has invested an additional 1 billion Chinese Yuan to add 1GWH 18650 lithium battery and 2GWH 32140 sodium battery fully automatic line. When the second phase is fully put into production, the total value can reach 3 billion Chinese Yuan.

The products are mainly used in high-end tools and small power, digital home appliances, and energy storage markets. After completion and production, it can form an annual production capacity of 160 million lithium-ion batteries and sodium-ion energy storage batteries.

# Production Equipment

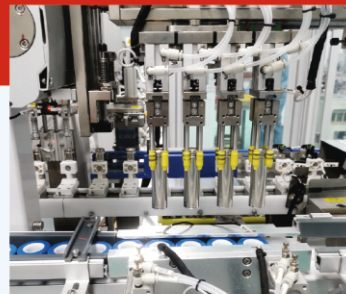
Reliable, secure and consistent



High speed extrusion coating



Battery seal



Battery filling

## BATTERY RELIABILITY TEST



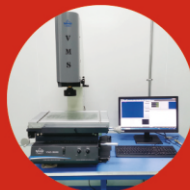
热冲击测试  
Thermal shock test



高低温测试  
High and low  
temperature testing



盐雾测试  
Salt Spray Test



智能 3D 显微镜  
Smart 3D microscope



扫描电镜  
Scanning electron  
microscope

恒湿恒温测试  
Constant humidity and temperature test

重物冲击测试  
Impact Test

高温老化试验  
High temperature operating life test

ICP

## LFP18650-2000

Item	Specification
Capacity	2000mAh
Platform Voltage	3.2V
Max.Discharge Current	3C
Internal Resistance	$\leq 18\text{m}\Omega$
Cycle Life	0.5C/0.5C, >2500 times 0.5C/1C, >2000 times.

## NCM18650-2500

Item	Specification
Capacity	2500mAh
Platform Voltage	3.6V
Max.Discharge Current	10C
Internal Resistance	$\leq 18\text{m}\Omega$
Cycle Life	1C/10C, >300 times



NaCR18650-1300, LFP18650-2200, NCM18650-2600, INR18650-3000, INR18650-3200



## NaCR32140-10000

Item	Specification
Capacity	10000mAh
Platform Voltage	3.05V
Max.Discharge Current	3C
Internal Resistance	$\leq 3\text{m}\Omega$
Cycle Life	0.5C/0.5C, >3000 times 0.5C/2C, >1500 times

## LFP32140-17500

Item	Specification
Capacity	17500mAh
Platform Voltage	3.2V
Max.Discharge Current	2C
Internal Resistance	$\leq 3\text{m}\Omega$
Cycle Life	0.5C/0.5C, >2500 times



LFP32140-12500, LFP32140-15000, LFP32140-17500, NCM32140-18000,  
INR32140-20000, LMFP33140-15000



## NCM21700-5000

Item	Specification
Capacity	5000mAh
Platform Voltage	3.6V
Max.Discharge Current	3C
AC Impedance	$\leq 20\text{m}\Omega$
Cycle Life	500th Cycle $> 80\%$ @ 1C



## LFP26700-4500

Item	Specification
Capacity	4500mAh
Platform Voltage	3.2V
Max.Discharge Current	5C
AC Impedance	$\leq 20\text{m}\Omega$
Cycle Life	2500th Cycle $> 70\%$ @ 1C



## INR18650-3350

Item	Specification
Capacity	3350mAh
Platform Voltage	3.6V
Max.Discharge Current	3C
Internal Resistance	$\leq 20\text{m}\Omega$
Cycle Life	0.5C/0.2C, >500 times 0.5C/0.5C, >400 times 0.5C/2C, >300 times



## ENERGY STORAGE

End-to-end Energy Storage Product

From batteries and modules, all size of energy storage systems can be customized and produced.



智能工业储能柜  
Intelligent industrial energy storage cabinet

## CORE TEC

No.	专利名称 Patent Name	专利号 Patent No.
1	锂电池包 Lithium battery pack	202030552652
2	多功能充电器 Multifunctional charger	2020305520189
3	一种安全可靠的动力电池箱体的固定结构 A safe and reliable power battery box fixing structure	2020220368799
4	一种圆柱型锂离子电池模块 A cylindrical lithium-ion battery module	2020220335028
5	一种可调式极片分切刀架 An adjustable pole piece slitting tool holder	202022204950X
6	一种二次锂电池涂布洗箔预处理装置 A secondary lithium battery coating and washing foil pretreatment device	2020222049497
7	一种锂电池吸液率的测试装置 A testing device for lithium battery liquid absorption rate	2020223660204
8	一种二次锂电池清洗机油烟回收处理装置 A secondary lithium battery cleaning machine oil fume recovery and treatment device	202022430778X
9	一种圆柱形锂离子电池组 A cylindrical lithium-ion battery pack	2020225400517
10	一种锂离子电池封口机构 A lithium-ion battery sealing mechanism	2020225399859
11	锂离子动力电池系统 Lithium-ion power battery system	2020307300662
12	一种锂电池盖帽超声波焊接装置 An ultrasonic welding device for lithium battery caps	2021210269541
13	一种新型高能量低成本电池 A new type of high-energy, low-cost battery	2022201852028
14	一种高能量密度低温锂电池制造用压盖装置 A capping device for manufacturing high-energy-density low-temperature lithium batteries	202220185199X
15	一种高性能锰酸锂电池制造用废物回收利用装置 A high-performance lithium manganate battery manufacturing waste recycling device	2022219403432
16	一种废旧新能源锂电池回收分类装置 A waste new energy lithium battery recycling and classification device	2022225947655

More than these..

可行性

Feasibility

### 专业团队

Professional team

- 高层管理人员在国内知名企业/上市公司从业10余年
- Senior management personnel have been working in well-known domestic enterprises/listed companies for over 10 years

### 自动化设备

Automation equipment

- 全线配备全自动化生产设备
- The entire line is with fully automated production equipment
- 关键控制点采用CCD检测, 100%全检
- Critical control points are detected using CCD, 100% fully inspected

### 先进工艺

Advanced technology

- 过程采用SPC控制, 全线1%RH湿度控制
- The process adopts SPC control, and the entire line has 1%RH humidity control

### 服务

Full Service

- 工作人员全天24小时不间断服务。
- Staff are available for 24/7 service.
- 云端服务保障体系-实现电池生命周期的全程监控。
- Cloud security system - Each customer can fully monitor the battery life cycle.



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# CERTIFICATE



Various certificates are provided. Existing products have been certified. Other certifications can be provided according to customer needs.

