

第三代储能专用 狭长型“筒”系列电芯

20%

更薄更狭长空间利用率
节约20%

25%

定制化开发
能量密度增加25%

高安全性

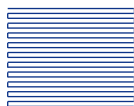
在高温、过充、
挤压、针刺等情况下
亦不会发生起火爆炸

散热更优

大倍率充放电过程中
具备更优的散热性能



磷酸铁锂材料
最佳储能用锂电池



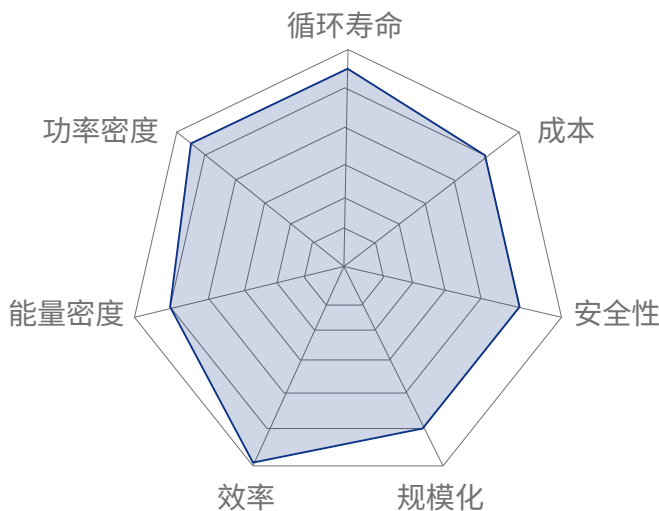
叠片式设计
有效提高电池能量密度

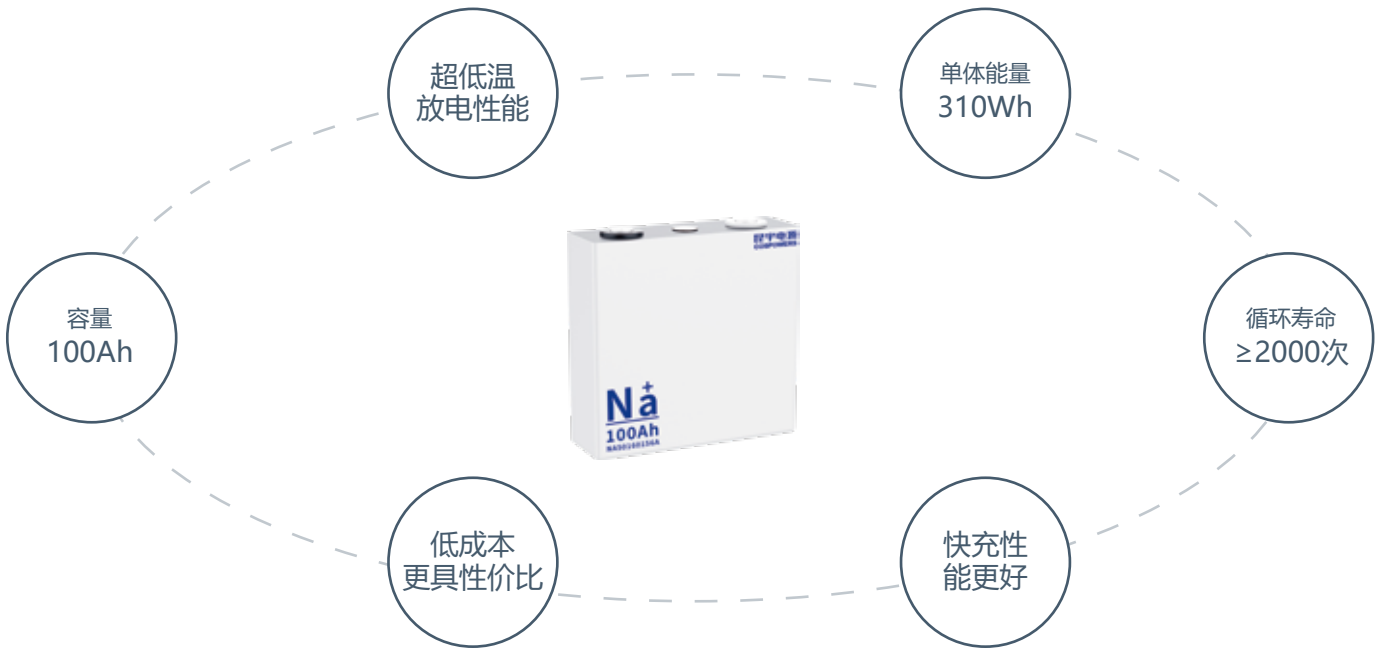


方形电池
多层级电池保护



铝制外壳
优秀的热导电率与冷却性能





研究更专业

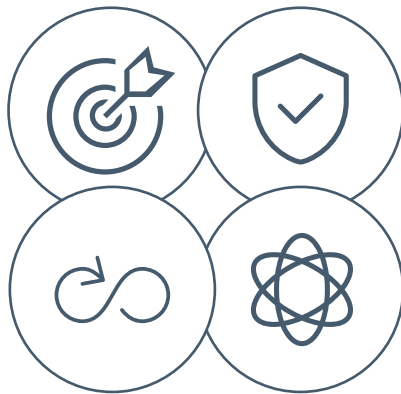
专利技术沉淀 知名校企合作

公司技术团队深耕电池领域20余年，拥有拥有近200项研发专利、软件著作权，4大研发中心，1000余项科研成果。公司与多家知名高校建立产学研合作，在钠电材料合成、钠电机理等方面开展大量研究工作。

寿命更长久

循环次数较高 充电快影响小

循环寿命超2000次，负极采用铝箔代替铜箔，产品电解液离子电导率提高20%，拥有更好的低温及倍率性能。



产品更安全

自主研发电芯 温域宽倍率大

储能单元采用我司自主研发的钠离子电芯，具备温域宽倍率大的特性。系统在-40°C-50°C环境使用下不需要制冷或保温措施。采用层状氧化物作为原材料，热稳定与安全性能优。

管理更智能

先进管理系统 适用场所广泛

采用先进智能的BMS管理系统，具备过充、过放、过流、温度等告警及保护功能、历史数据存储功能，在通信后备电源、特定场合与高倍率放电场合具有突出优势，可广泛应用于数据、通讯中心等重要场所。

电芯参数

CELL PARAMETERS

序号	型号	额定容量[Ah]	标称电压[V]	电压范围[V]	最大充/放电倍率[C]
功率能量型电芯系列					
1	FP20106300A	50Ah	3.2V	2.5-3.65V	1C/3C
2	FP26122260A	75Ah	3.2V	2.5-3.65V	1C/3C
3	FP26122280A	80Ah	3.2V	2.5-3.65V	1C/3C
4	FP26122320A	100Ah	3.2V	2.5-3.65V	1C/3C
5	FP31136282A	100Ah	3.2V	2.5-3.65V	1C/3C
6	FP27122430A	150Ah	3.2V	2.5-3.65V	1C/3C
能量型电芯系列					
1	FP20106255A	40Ah	3.2V	2.5-3.65V	1C/1C
2	FP31136227A	80Ah	3.2V	2.5-3.65V	1C/1C
3	FP26122341A	100Ah	3.2V	2.5-3.65V	1C/1C
4	FP31136255A	100Ah	3.2V	2.5-3.65V	1C/1C
5	FP71173207A	280Ah	3.2V	2.5-3.65V	0.5P/1P
6	FP71173207A	314Ah	3.2V	2.5-3.65V	0.5P/1P
7	FP71173207A	345Ah	3.2V	2.5-3.65V	0.5P/1P
8	FP72355209A	720Ah	3.2V	2.5-3.65V	0.25P/0.25P
钠离子电芯系列					
1	NA50160119A	50Ah	2.9V	1.5-3.4V	0.5C/3C
2	NA50160156A	75Ah	2.9V	1.5-3.4V	0.5C/3C
3	NA50160156A	100Ah	2.9V	1.5-3.4V	0.5C/3C
4	NA71173207A	168Ah	2.9V	1.5-3.4V	0.5P/0.5P

LITHIUM-ION BATTERY CELL



LFP material
Optimal energy storage lithium-ion battery



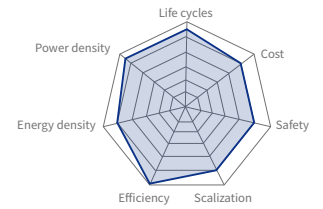
Prismatic battery
Multi-level battery protection



Lamination design
Effectively improving battery energy density



Aluminum case
Excellent thermal conductivity and cooling properties



THE THIRD GENERATION ‘SLIP’ SERIES CELLS WITH SPECIAL ENERGY STORAGE DESIGN OF NARROW AND LONG SHAPE

20%

Thinner and longer with space utilization rate reduced by 20%

25%

Customized development with energy density increased by 25%

High safety

Fire and explosion will not occur under high temperature, overcharging, extrusion, nail penetration test and other conditions

Better heat dissipation

Better heat dissipation performance during high-rate charge and discharge



SODIUM-ION BATTERY CELL



More Professional Research

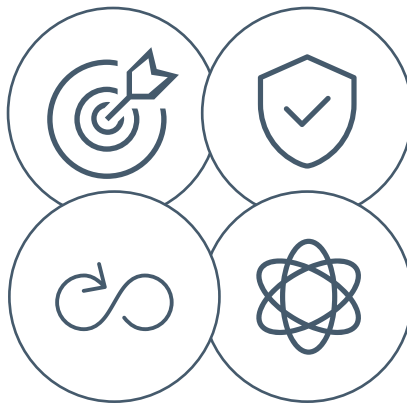
Patent Technology Accumulation Cooperation with Famous Universities

Our technical team has been deeply involved in the battery field for over 20 years, with nearly 200 R&D patents, software copyrights, 4 major R&D centers and over 1000 research achievements. We have established cooperation with several famous universities, conducting extensive research in sodium material synthesis, sodium electrochemical principles and so on.

Longer Service Life

High cycle count, fast charging with minimal impact

Cycle life exceeds 2000 times, negative electrode uses aluminum foil instead of copper foil, product electrolyte ion conductivity increased by 20%, and has better low temperature and rate performance.



Safer Products

Independently Developed Cells, Wide Temperature Range, High Rate

Our energy storage units use independently developed sodium-ion cells, possessing the characteristics of a wide temperature range and high rate. The system does not require cooling or insulation measures when operating in environments ranging from -40°C to 50°C . Utilizing layered oxides as raw materials, it ensures thermal stability and superior safety performance.

Smarter Management

Advanced Battery Management System, Wide Applicability

Utilizing an advanced smart battery management system, it has overcharge, overdischarge, overcurrent, temperature, and other alarm and protection functions, as well as historical data storage capabilities. It exhibits outstanding advantages in backup power supply, specific occasions, and high-rate discharge scenarios, making it suitable for widespread application in critical locations such as data and communication centers.

CELL PARAMETERS

S/N	Model	Rated capacity[Ah]	Nominal voltage[V]	Voltage range[V]	Max charge/discharge rate[C]
Power energy cell series					
1	FP20106300A	50Ah	3.2V	2.5-3.65V	1C/3C
2	FP26122260A	75Ah	3.2V	2.5-3.65V	1C/3C
3	FP26122280A	80Ah	3.2V	2.5-3.65V	1C/3C
4	FP26122320A	100Ah	3.2V	2.5-3.65V	1C/3C
5	FP31136282A	100Ah	3.2V	2.5-3.65V	1C/3C
6	FP27122430A	150Ah	3.2V	2.5-3.65V	1C/3C
Energy cell series					
1	FP20106255A	40Ah	3.2V	2.5-3.65V	1C/1C
2	FP31136227A	80Ah	3.2V	2.5-3.65V	1C/1C
3	FP26122341A	100Ah	3.2V	2.5-3.65V	1C/1C
4	FP31136255A	100Ah	3.2V	2.5-3.65V	1C/1C
5	FP71173207A	280Ah	3.2V	2.5-3.65V	0.5P/1P
6	FP71173207A	314Ah	3.2V	2.5-3.65V	0.5P/1P
7	FP71173207A	345Ah	3.2V	2.5-3.65V	0.5P/1P
8	FP72355209A	720Ah	3.2V	2.5-3.65V	0.25P/0.25P
Sodium ions cell series					
1	NA50160119A	50Ah	2.9V	1.5-3.4V	0.5C/3C
2	NA50160156A	75Ah	2.9V	1.5-3.4V	0.5C/3C
3	NA50160156A	100Ah	2.9V	1.5-3.4V	0.5C/3C
4	NA71173207A	168Ah	2.9V	1.5-3.4V	0.5P/0.5P