

LITHIUM-ION BATTERY CELL



**LFP material**  
Optimal energy storage  
lithium-ion battery



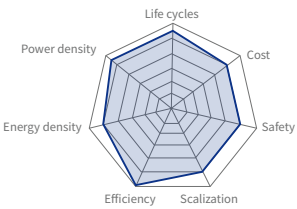
**Advanced stacking process**  
Effectively improving battery  
energy density



**Prismatic battery**  
Multi-level battery  
protection



**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

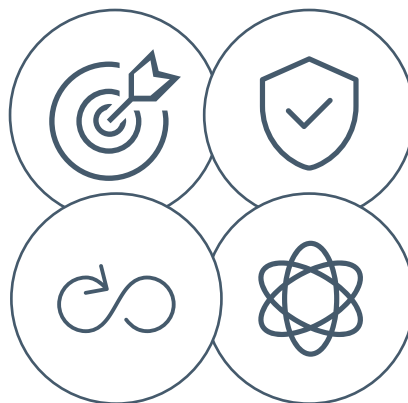
#### Patent Technology Accumulation Cooperation with Famous Universities

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]
LFP-High-power cell series					
1	FP31136170A	50Ah	3.2V	2.5-3.65V	2C/6C
2	FP31136160A	60Ah	3.2V	2.5-3.65V	1C/4C
LFP-Power-energy cell series					
1	FP20106255A	40Ah	3.2V	2.5-3.65V	1C/3C
2	FP20106300A	50Ah	3.2V	2.5-3.65V	1C/3C
5	FP31136227A	80Ah	3.2V	2.5-3.65V	1C/3C
9	FP26122341A	100Ah	3.2V	2.5-3.65V	1C/3C
10	FP31136255A	100Ah	3.2V	2.5-3.65V	1C/3C
11	FP50160119A	100Ah	3.2V	2.5-3.65V	1C/1C
12	FP27122430A	150Ah	3.2V	2.5-3.65V	1C/3C
13	FP45173209A	150Ah	3.2V	2.5-3.65V	1C/3C
LFP-Energy cell series					
1	FP71173207A	280Ah	3.2V	2.5-3.65V	0.5P/1P
2	FP71173207A	314Ah	3.2V	2.5-3.65V	0.5P
3	FP71173207A	345Ah	3.2V	2.5-3.65V	0.5P/1P
4	FP72355209A	720Ah	3.2V	2.5-3.65V	0.25P/0.25P
Na-Sodium-ion cell series					
1	NA50160119A	50Ah	2.85V	1.5-3.4V	0.5C/3C
2	NA50160156A	75Ah	2.85V	1.5-3.4V	0.5C/3C
3	NA50160198A	100Ah	2.85V	1.5-3.4V	0.5C/3C
4	NA71173207A	170Ah	2.85V	1.5-3.4V	0.5P/0.5P
Product Certification					



UN38.3



RoHS



IEC62133



IEC62619



IEC62620



UL1642



UL1973



UL9540A