COSPOWERS

LITHIUM-ION BATTERY CELL

100Ah
Power energy cell serie

280Ah
Energy cell series

314Ah
Energy cell series

720Ah
Energy cell series

LFP

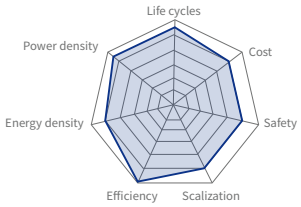
LFP material
Optimal energy storage lithium-ion battery

Lamination design
Effectively improving battery energy density

Prismatic battery
Multi-level battery protection

AL

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

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SODIUM-ION BATTERY CELL

More Professional Research

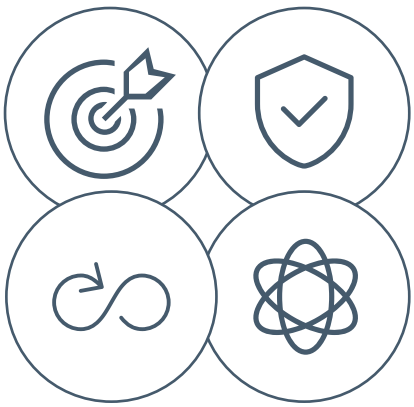
Patent Technology Accumulation Cooperation with Famous Universities

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.

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.



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.

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.

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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