COSPOWERS

LITHIUM-ION BATTERY CELL

100Ah
Power-energy cell series

150Ah
Power-energy cell series

588Ah
Energy cell series

720Ah
Energy cell series

LFP

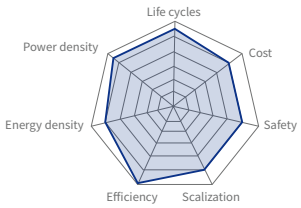
LFP material
Optimal energy storage lithium-ion battery

Prismatic battery
Multi-level battery protection

Advanced stacking process
Effectively improving battery energy density

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

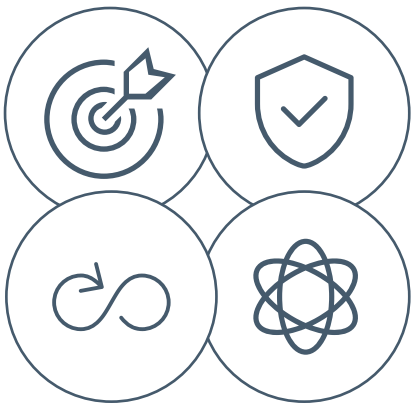
Patent Technology Accumulation Cooperation with Famous Universities

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.

Longer Service Life

High cycle count, fast charging with minimal impact

With a cycle life exceeding 10,000 cycles, a three-dimensional conductive network is constructed using a single-layer GPE and single-walled CNT materials, resulting in lower internal polarization. The addition of novel sodium salts and additives to the electrolyte increases ionic conductivity by 20%, offering better low-temperature and rate performance.



Safer Products

Independently Developed Cells, Wide Temperature Range, High Rate

The energy storage unit utilizes our self-developed sodium-ion battery cells, which feature a wide operating temperature range and high charge-discharge rates. The system can discharge normally in environments ranging from -40°C to 55°C without the need for cooling or insulation measures. With sodium iron pyrophosphate as the raw material, it offers excellent thermal stability and 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.

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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
3	FP31136227A	80Ah	3.2V	2.5-3.65V	1C/3C
4	FP26122341A	100Ah	3.2V	2.5-3.65V	1C/3C
5	FP31136255A	100Ah	3.2V	2.5-3.65V	1C/3C
6	FP50160119A	100Ah	3.2V	2.5-3.65V	1C/1C
7	FP27122430A	150Ah	3.2V	2.5-3.65V	1C/3C
8	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	FP73288216A	588Ah	3.2V	2.5-3.65V	0.5P/0.5P
5	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	1C/3C
2	NA50160156A	75Ah	2.85V	1.5-3.4V	1C/3C
3	NA50160198A	100Ah	2.85V	1.5-3.4V	1C/3C
4	NA71173207A	170Ah	2.85V	1.5-3.4V	0.5P/1P
Product Certification					

UN38.3 RoHS IEC62133 IEC62619 IEC62620 UL1642 UL1973 UL9540A IS16046