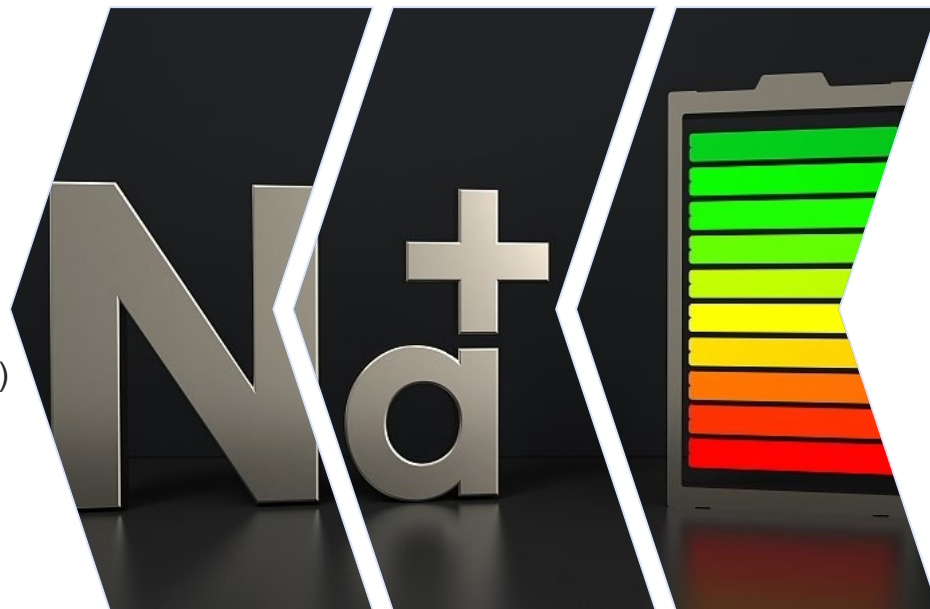




Market Trends – Focus China

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The Head of IEC/TC21 Mirror Committee of China



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国内技术对口单位负责人

国家蓄电池质量检验检测中心 主任

全国铅酸蓄电池标准化技术委员会 主任委员

中国电器工业协会蓄电池分会 理事长

中电协二次电池和电池组标准化专业委员会

CEEIA/TC33主任委员

沈阳蓄电池研究所 所长

Title: The Head of Mirror Committee of IEC/TC21
(Secondary Cells and Batteries) in China

- Director of National Storage Battery Quality Inspection and Testing Center
- Chairman of China Lead-acid Battery Standardization Commission
- President of Battery Industry Association of CEEIA
- Chairman of Standardization Professional Committee for Secondary cells and batteries of CEEIA/TC33
- Director of Shenyang Storage Battery Research Institute





IEC 63711-1

12 V sodium-ion secondary batteries for start-stop and auxiliary application

- Part 1: general requirements and methods of test



→ 2025 ALBA

WG2 Convenor: Mr. Jean-Paul Douady

Project Leader: Mr. Brisotto Luca



↙ 2025 in Wuhan



Sodium markets in China

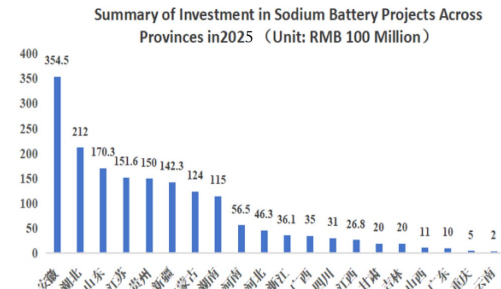
- Energy density reaches 140–175 Wh/kg.
- Production capacity planned at 500 GWh.
- Application in energy storage、start-stop and auxiliary、and e-bikes.





Development of sodium-ion batteries

Year	Planned Capacity (GWh)	Actual Put-Into-Production Capacity (GWh)	Actual Shipment Volume (GWh)
2019	< 1	< 1	< 0.1
2023	240	10	0.9
2024	350	16	3.6
2025	500	45	9



Information Source: WeChat Official Account: Qidian Sodium Battery

Enterprise	Production Line Location	Actual Commissioned Capacity	Total Planned Capacity	Enterprise	Production Line Location	Actual Commissioned Capacity	Total Planned Capacity
CATL	Ningde, Fujian; ,	/	25	ChuanYi Sodium Battery	Gaoyou, Jiangsu	4.5	10
BYD	Xuzhou, Jiangsu;	/	30	Lifang New Energy	Zhuzhou, Hunan	2.5	12.5
VEKEN	Nanchang, Jiangxi;	2	15	Pylontech	Yangzhou, Jiangsu	1	1
Jiangsu Haida Power Supply	Zhuhai, Guangdong	16	30	EAST Group Sodium Battery	Dongguan, Guangdong	1	5

According to incomplete statistics, the combined planned sodium battery production capacity of over 20 relevant enterprises has reached **240GWh**, with actual put-into-production capacity of approximately **36.5GWh**.



Starting and auxiliary SIBs for vehicles



Currently, Sodium-ion Battery Start-stop Market has shown signs of taking off. First, over 20 enterprises that have launched start-stop product series, with giants like CATL releasing heavy-duty truck start-stop batteries. Second, start-stop-related orders have increased significantly, with some orders extending to 2027 for delivery.

Sodium-ion batteries are still in the early stages of industrialization worldwide

No mature application experience and data accumulation



There are no relevant international standards for low-voltage 12 V starting and auxiliary sodium-ion batteries for vehicles

Thank for your attention!