

10月新能源车产销量同比向上，关注锂电厂商招标、新技术方向

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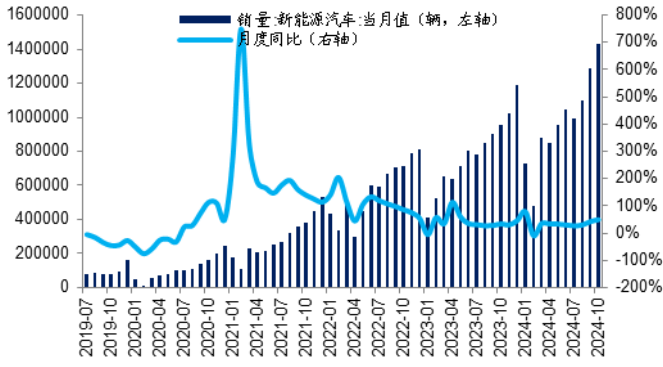
投资要点：

- **10月新能源车国内零售渗透率52.9%，较去年同期提升15pct。**根据乘联会官方微信公众号，10月新能源车乘用车产量达到137.9万辆，同比增长49.9%，环比增长12.6%；10月新能源车乘用车零售销量119.6万辆，同比增长56.7%，环比增长6.4%；10月新能源车乘用车批发销量136.9万辆，同比增长55.2%，环比增长11.2%。渗透率方面来看，10月新能源车国内零售渗透率52.9%，较去年同期37.9%的渗透率提升15pct。
- **10月主要车厂新能源汽车交付/销售情况。**根据比亚迪、埃安、理想、小鹏、零跑、蔚来、极氪、哪吒官方微信公众号、上汽集团《2024年10月份产销快报》、赛力斯《2024年10月份产销快报》，①比亚迪：50.05万辆，同比+66.2%；②上汽：15.71万辆，同比51.08%；③埃安：4万辆，同比-3.50%；④理想：5.14万辆，同比+27.3%；⑤小鹏：2.39万辆，同比+20%；⑥赛力斯：3.39万辆，同比+133.84%；⑦零跑：3.81万辆，同比+109.7%；⑧蔚来：2.10万辆，同比+30.50%；⑨极氪：2.50万辆，同比+92%。
- **10月动力和其他电池产量同比增长36.8%，动力电池装车量同比增长51.0%。**根据中国汽车动力电池产业创新联盟微信公众号，2024年10月，中国动力和其他电池合计产量共计113.1GWh，同比增长45.5%。装车量方面，2024年10月，中国动力电池装车量59.2GWh，同比增长51.0%。
- **核心电池动态更新：LG新能源与奔驰签订50.5GWh长协；宁德时代与太重集团签署战略合作协议；LG新能源获福特两份动力电池大单；邦宇新能源30亿元电池项目开工。**1) 根据新世纪能源网，10月8日，LG新能源宣布与梅赛德斯-奔驰（Mercedes-Benz）达成了一项长期采购协议，涉及总容量为50.5GWh的电池供应，供应时间为2028年至2038年。2) 根据CATL宁德时代微信公众号，10月8日，太重集团与宁德时代在山西太原签署战略合作协议。根据协议，太重集团将宁德时代作为其工程机械领域动力电池的首选合作伙伴，宁德时代将向太重集团提供最具市场竞争力的动力电池产品和服务保障，双方将在产品端及市场端携手共进，为工程机械行业的电动化转型提供澎湃绿色引擎。此外，双方还将充分利用各自优势，在储能、换电等新能源应用领域加强协作，积极探索多种合作模式。3) 根据LG新能源官网，10月15日，LG新能源（LGES）宣布与福特汽车公司签订两份电池供应合同，为福特在欧洲供应大型商用车电池。根据合同，预计从2026年开始，LG Energy Solution 将为福特的电动商用车供应总计109GWh的电池，合同期限为4至6年。此外，两家公司还商定，2025年将在LG新能源密歇根工厂生产动力电池，配套福特野马Mach-E。该车型电池目前在LG新能源波兰工厂生产。4) 根据高工锂电微信公众号，邦宇新能源储能电池产业园项目在河南商丘虞城县举行开工仪式。邦宇新能源储能电池产业园项目由湖北邦宇新能源科技有限公司投资建设。项目总投资30亿元，采取分期实施的方式，建设10GWh新能源储能电池产业园。其中：一期用地150亩，投资10亿元，建设2GWh新能源储能电池电芯生产线及PACK一体化生产线，主要生产叠片工艺高容量大铝壳、小动力锂离子电芯及储能PACK；二期用地90亩，投资10亿元，新建3GWh的钠离子电池及PACK生产线；三期投资10亿元，建设5GWh钠离子电池及PACK生产线。

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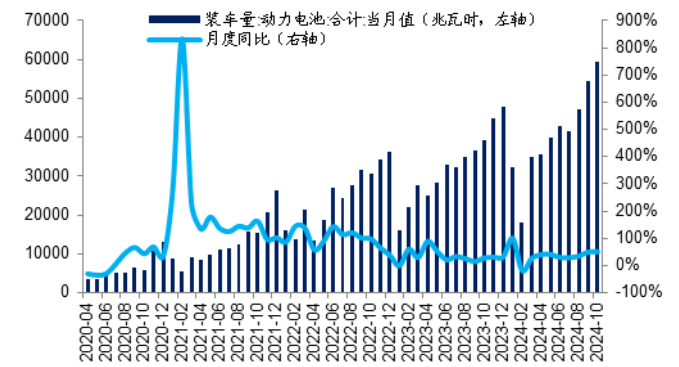
- **锂电新技术动态更新：**国内首条全固态锂电池量产线正式投产；纳科诺尔与四川新能源汽车创新中心达成固态设备合作；雷诺集团旗下安培计划到 2028 年推出无钴固态电池；江西屹锂硫化物全固态电池产线正式投产；赢合科技固态电池干法搅拌设备顺利出货；太蓝新能源与长安汽车联合发布无隔膜固态电池产品及技术。1) 根据纯锂新能源微信公众号，近日，纯锂新能源 50Ah 全固态电池产线正式投产，设计年产能约 0.2GWh，可满足约 20 万辆两轮车充电需求，并在满产后每日能产出上千支固态锂电池。2) 根据纳科诺尔微信公众号，近日，纳科诺尔与四川新能源汽车创新中心有限公司就合作开发固态电池产业化关键设备与工艺等达成一致，签署了《科研战略合作框架协议》。根据协议内容，纳科诺尔将与创新中心建立联合实验室，根据市场需求，计划利用五年时间，开展固态电池生产设备的开发。3) 根据高工锂电微信公众号，雷诺集团公布安培（Ampere）电动汽车业务进展：一年前公布的 Twingo 车型的开发目前正按计划推进，预计将于 2026 年量产上市。整个开发周期不到两年，目标售价将低于 2 万欧元。在即将推出的紧凑型电动汽车上成功完成首次技术合作后，日产邀请安培共同探索其下一款 A 级电动车型的开发。此外，到 2028 年，安培计划推出无钴电池技术，目标是到 2030 年通过采用无钴阴极和锂金属阳极的结构固态电池将三元锂电池的能量密度提升一倍。另外，基于 FlexEVan 平台，安培计划在 2026 年推出欧洲首款软件定义车辆（SDV）。4) 根据屹锂科技微信公众号，江西屹锂新能源发展有限公司硫化物全固态电池量产线正式投产，标志着屹锂科技在全固态电池产业的崭新征程。江西屹锂新能源发展有限公司于 2024 年 5 月入驻江西于都，项目位于于都县上欧工业园区新质生产力产业园，总面积 15000 平，项目一期已经投产，可实现 3C 类全固态电池产品量产，后续会推进至其他应用领域。5) 根据赢合科技微信公众号，赢合科技自主研发生产的首台干法搅拌设备已成功交付至国内头部客户现场。这款干法搅拌设备特别针对全固态电池及干法电极技术进行了特殊设计，可适应不同材料、配方、工艺等各种复杂工况稳定生产，整体工艺时间≤30 分钟/罐。6) 根据高工锂电微信公众号，11 月 7 日，太蓝新能源与长安汽车在重庆联合发布了无隔膜固态电池产品及技术。基于锂电池“减材制造”的理念，太蓝新能源引入最薄<1μm、离子电导率>1.5mS/cm 的柔性“极片复合固态电解质层”以替代隔膜功能；同时通过高精度的原位亚微米工业制膜（ISFD）技术来支持其量产，目前已可达到多层良率超过 99% 的水平。太蓝无隔膜半固态方壳电池可承受的挤压形变量达到 60%，支持过充到 19v，耐挤压变形能力、耐过充能力均提升 300%；基于 NCM 和 LFP/LMFP 材料体系，分别可在 180°C 和 200°C 下保持 30 分钟不起火不爆炸，耐热温度分别提升 50°C 和 70°C。
- **投资建议。**10 月新能源汽车产销同比维持增长态势，渗透率持续提升，固态电池/大圆柱电池产业化进程稳步推进，近期建议持续关注国内锂电厂商招标情况。建议继续重点关注与优质电池厂合作的先导智能、杭可科技、联赢激光、海目星等。
- **风险提示。**新能源汽车销量不及预期，电池厂扩产不及预期，锂电新技术产业化进展不及预期，碳酸锂等上游原材料价格大幅上涨等不可抗因素。

图1 新能源汽车月度销量及同比情况



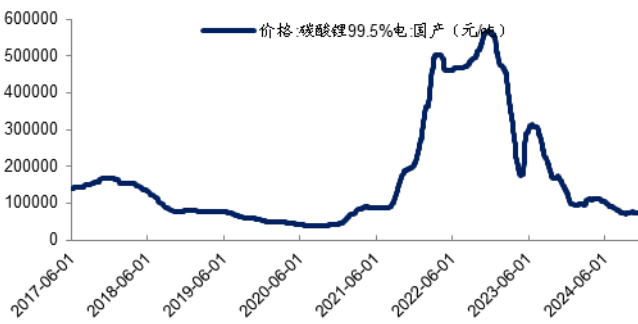
资料来源：WIND，HTI

图2 动力电池月度装车量及同比情况



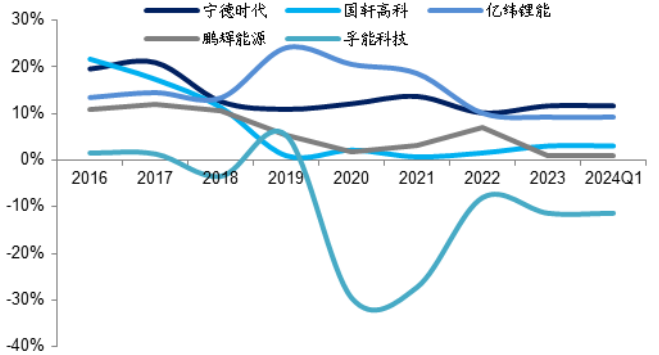
资料来源：WIND，HTI

图3 价格:碳酸锂 99.5%电:国产



资料来源：WIND，HTI

图4 主要电池厂净利率情况



资料来源：WIND，HTI

APPENDIX 1

Summary

Investment Highlights:

October's domestic retail penetration rate of NEV reached 52.9%, up 15 percentage points from last year. According to the China Passenger Car Association, October's NEV passenger car production was 1.379 million units, a 49.9% YoY increase and a 12.6% MoM increase. Retail sales were 1.196 million units, up 56.7% YoY and 6.4% MoM. Wholesale sales were 1.369 million units, a 55.2% YoY increase and an 11.2% MoM increase.

October NEV delivery/sales by major manufacturers: 1) BYD: 500,500 units, +66.2% YoY; 2) SAIC: 157,100 units, +51.08% YoY; 3) Aion: 40,000 units, -3.50% YoY; 4) LEADING IDEAL: 51,400 units, +27.3% YoY; 5) XPENG: 23,900 units, +20% YoY; 6) Seres Group: 33,900 units, +133.84% YoY; 7) Leapmotor: 38,100 units, +109.7% YoY; 8) NIO Inc.: 21,000 units, +30.50% YoY; 9) ZEEKR: 25,000 units, +92% YoY.

October power and other battery production increased by 36.8% YoY, with power battery installations up 51.0% YoY. According to the China Automotive Power Battery Industry Innovation Alliance, October's total battery production was 113.1 GWh, a 45.5% YoY increase. Power battery installations were 59.2 GWh, up 51.0% YoY.

Core battery updates: LG Energy Solution signed a 50.5 GWh long-term agreement with Mercedes-Benz; Contemporary Amperex Technology signed a strategic cooperation agreement with Taiyuan Heavy Industry; LG Energy Solution secured two major power battery orders from Ford; Bangyu New Energy's 3 billion RMB battery project commenced. 1) On October 8, LG Energy Solution announced a long-term supply agreement with Mercedes-Benz for 50.5 GWh of batteries from 2028 to 2038. 2) On October 8, Taiyuan Heavy Industry and Contemporary Amperex Technology signed a strategic cooperation agreement in Taiyuan, Shanxi. 3) On October 15, LG Energy Solution announced two battery supply contracts with Ford for a total of 109 GWh for electric commercial trucks in Europe, starting in 2026. 4) Bangyu New Energy's energy storage battery industrial park project in Henan commenced, with a total investment of 3 billion RMB.

Investment advice: October NEV production and sales maintained growth, with penetration rates rising. Solid-state and large cylindrical battery industrialization is progressing steadily. It is suggested to focus on domestic lithium battery manufacturers' bidding activities. Our top picks remain Wuxi Lead Intelligent Equipment, Zhejiang Hangke Technology, Shenzhen United Winners Laser, and Hymson Laser Technology Group.

Risk Warning: NEV sales weaker than expected, battery plant expansion weaker than expected, slower industrialization of new lithium battery technologies, and significant price increases in upstream raw materials like lithium carbonate.

附录 APPENDIX

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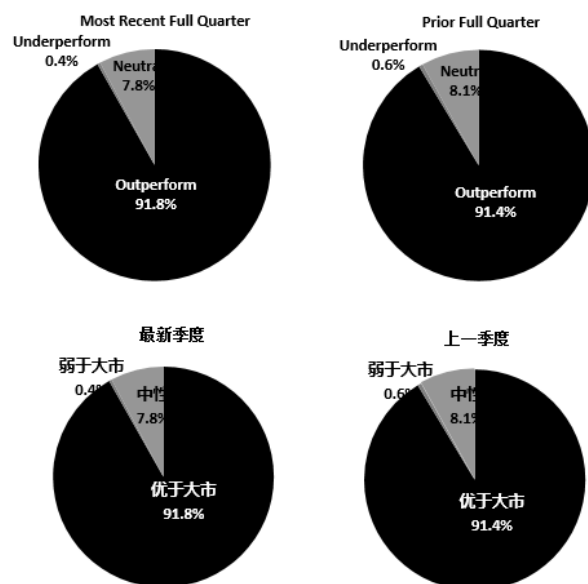
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买入，未来 12-18 个月内预期相对基准指数涨幅在 10%以上，基准定义如下

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卖出，未来 12-18 个月内预期相对基准指数跌幅在 10%以上，基准定义如下

各地股票基准指数：日本 – TOPIX, 韩国 – KOSPI, 台湾 – TAIEX, 印度 – Nifty100; 其他所有中国概念股 – MSCI China.

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	Outperform	Neutral (hold)	Underperform
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BUY, Neutral, and SELL in the above distribution correspond to our current ratings of Outperform, Neutral, and Underperform.

For purposes only of FINRA/NYSE ratings distribution rules, our Neutral rating falls into a hold rating category. Please note that stocks with an NR designation are not included in the table above.

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