

行业周报

四部门发文加强新能源汽车与电网融合互动, 乘联会初步预估 2023 年电车批发 890 万辆

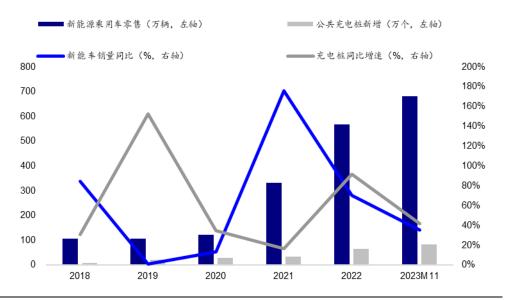
投资要点:

- 四部门联合发文,加强新能源汽车与电网融合互动。根据国家发改委官网,1月4日国家发改委等四部门联合发布了《关于加强新能源汽车与电网融合互动的实施意见》,计划加大力度开展车网互动试点示范,力争参与试点示范的城市2025年全年充电电量60%以上集中在低谷时段、私人充电桩充电电量80%以上集中在低谷时段。意见提出六项重点任务:1)协同推进车网互动核心技术攻关:在不明显增加成本基础上将动力电池循环寿命提升至3000次及以上;2)加快建立车网互动标准体系;3)优化完善配套电价和市场机制;4)探索开展双向充放电综合示范;5)积极提升充换电设施互动水平;6)系统强化电网企业支撑保障能力。由国家能源局牵头开展车网互动试点示范工作,力争2025年底前建成5个以上示范城市以及50个以上双向充放电示范项目。
- 乘联会初步预估 2023 年新能源乘用车累计批发 889.5 万辆,累计零售 774.4 万辆。根据乘联会微信公众号,初步预估 2023 年 12 月国内新能源乘用车批发 112.2 万辆,同比增长 49%,环比增长 17%,2023 年累计批发 889.5 万辆,同比增长 37%。初步预估 2023 年 12 月内新能源乘用车零售 93.6 万辆,同比增长 46%,环比增长 11%,2023 年累计零售 774.4 万辆,同比增长 36%。
- Smart 首座 800V 直流超快充站于上海投用。根据 Smart 全球新闻中心, 1月3日 Smart 首座 800V 直流超快充站于上海投用。该直流超快充满足最高功率 480kW 充电需求,峰值效率超 96%;功率池技术配合液冷超快充终端,单枪最大输出电流可达 600A (短时 700A);在车端条件允许的情况下,充电 8分钟,续航增加 400 公里。
- 充电桩景气度高企,国内+海外空间广阔。据 wind 援引公安部数据,截至 2023 年 9 月底,国内新能源汽车保有量达 1821 万辆,我们判断保有量快速提升催生充电需求,充电基础设施建设进入发展快车道。据中国充电联盟微信公众号数据,截至 2023 年 11 月,国内公桩保有量为 262.6 万台,1-11 月国内新增公桩82.8 万台,同比+41.8%。欧美市场空间广阔,根据 AFDC 数据,美国截止 1 月 1日公桩保有量为 16.1 万个,直流快充占比为 23.6%,2023 年初至截止日累计新增公桩2.5 万台,2023 年 1-10 月电车累计销量为 122.1 万辆(来源为 Marklines);根据 Alternative-fuels-observatory 数据,截止 Q3 欧盟公桩保有量为 59.3 万个,直流占比为 12.0%,新增公桩14.6 万台,同期电车销量为 213.3 万辆。我们预计欧美桩端建设有望提速,叠加大功率直流快充占比提升,海外市场空间广阔。
- 投資建议。国内政策+需求发力,充电桩建设年内高景气度,中长期出口欧美及直流桩占比提升进一步打开空间。建议关注直流占比高的整桩企业及模块企业: 绿能慧充、金冠股份、通合科技、盛弘股份、道通科技、金冠电气、利和兴、泰永长征、特锐德、香山股份、欧陆通、英可瑞、沃尔核材、永贵电器、炬华科技等。
- 风险提示。新能源汽车下游不及预期风险; 充电桩补贴政策不及预期风险。

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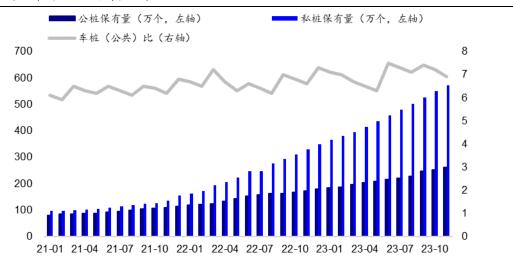
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图1 中国新能源乘用车零售及充电桩新增

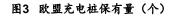


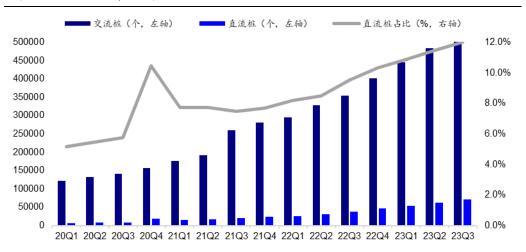
资料来源: wind, 乘联会, 中国汽车工业协会, 中国充电联盟微信公众号, HTI

图2 中国充电桩保有量及车桩比



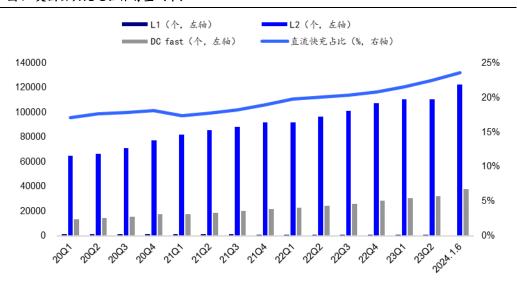
资料来源:中国充电联盟微信公众号,公安部,wind,HTI





资料来源: European Alternative Fuels Observatory, HTI

图4 美国公共充电桩保有量(个)



资料来源: Alternative Fuels Data Center, HTI



APPENDIX 1

Summary

Investment Highlights: Joint efforts by four departments to enhance NEV-grid integration. The National Development and Reform Commission and other agencies issued guidelines on January 4 to boost vehicle-grid pilot projects, aiming for over 60% of charging in off-peak hours by 2025 in pilot cities. Six key tasks include: 1) Advancing vehicle-grid core technology to increase power battery life to 3000+ cycles without significant cost increases; 2) Establishing vehicle-grid standards; 3) Optimizing electricity pricing and market mechanisms; 4) Exploring bidirectional charging demonstrations; 5) Enhancing interaction of charging infrastructure; 6) Strengthening grid companies' support capabilities. The National Energy Administration leads the pilot work, targeting 5+ cities and 50+ bidirectional charging projects by end-2025.

The China Passenger Car Association estimates 8.895 million NEV passenger car wholesales and 7.744 million retails in 2023. Preliminary estimates for December 2023 show 1.122 million wholesales, a 49% YoY increase, and 936,000 retails, a 46% YoY increase.

Smart's first 800V DC super-fast charging station launched in Shanghai. It meets a peak charging power of 480kW with over 96% efficiency and can deliver up to 600A, boosting range by 400 km in 8 minutes under optimal conditions.

Charging pole demand remains high, with significant domestic and international market potential. As of September 2023, China's NEV ownership reached 18.21 million, driving charging demand. By November, China had 2.626 million public poles, a 41.8% increase over 11 months. The US and EU also show vast potential, with the US adding 25,000 public poles early in 2023 and the EU reaching 593,000 public poles by Q3.

Investment advice: Domestic policy and demand drive high prosperity in charging pole construction, with potential growth from exports to the US and EU and increased DC pile share. Companies to watch include Gresgying Digital Energy Technology Co.,Ltd., Jinguan Electric, Shijiazhuang Tonhe Electronics Technologies, Shenzhen Sinexcel Electric, Autel Intelligent Technology, JINGGUAN ELECTRIC, Shenzhen Lihexing Co.,Ltd., Guizhou Taiyong-Changzheng Technology, Qingdao TGOOD Electric, Guangdong Senssun Weighing Apparatus Group, Shenzhen Honor Electronic Co., Ltd, Shenzhen Increase Technology, Shenzhen Woer Heat-Shrinkable Material, Zhejiang Yonggui Electric Equipment, Hangzhou Sunrise Technology, etc.

Risk Warning: Risks of NEV demand and charging pole subsidy policies being weaker than expected.

附录 APPENDIX

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弱于大市,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

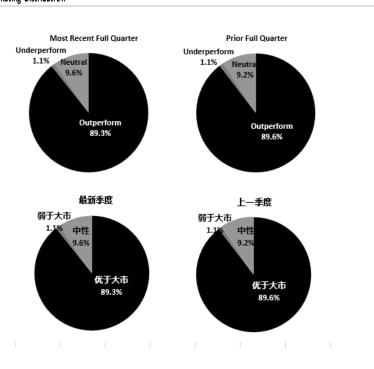
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评级分布 Rating Distribution



Outperform: The stock's total return over the next 12-18 months is expected to exceed the return of its relevant broad market benchmark, as indicated below.

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	优于大市	中性	弱于大市
		(持有)	
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投资银行客户*	3.9%	5.8%	10.0%

^{*}在每个评级类别里投资银行客户所占的百分比。

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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

中性,未来 12-18 个月内预期相对基准指数变化不大,基准定义如下。根据 FINRA/NYSE 的评级分布规则,我们会将中性评级划入持有这一类别。

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	N e utral	Underp er for m
	(hold)		
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IB clients*	3.9%	5.8%	10.0%

^{*}Percentage of investment banking clients in each rating category.

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SELL: The stock's total return over the next 12-18 months is expected to be below the return of its relevant broad market benchmark, as indicated below.

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