

REPT
瑞浦兰钧

引未来之势 守安全之本

STICK TO THE ORIGINAL INTENTION OF SECURITY
THAT WE CAN LEAD THE FUTURE TREND

瑞浦兰钧能源股份有限公司
REPT BATTERO Energy Co.Ltd.

全球总部 GLOBAL HEADQUARTERS

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股票代码 瑞浦兰钧
0666.HK



瑞浦兰钧
汽车动力电池领跑者

REPT BATTERO
AUTOMOTIVE POWER BATTERY LEADER

股票代码 瑞浦兰钧
0666.HK

TSINGSHAN HOLDING GROUP 控股母公司青山实业

青山实业结合自身丰富的矿产资源，在新能源领域进行投资布局。秉持“炼百年不锈，筑绿色未来”的使命，为推动行业前行、为提升人类的生活品质，而不懈奋进。瑞浦兰钧享有青山实业赋予的独特资源整合能力及全产业链协同优势，成为行业中成长最迅速的电池生产商之一。

Tsingshan holding group combines its rich mineral resources to invest and layout in the new energy field. It always persists in "making life-long stainless steel and creating a sustainable future" mission to push forward the industry and enhance the living quality of mankind. REPT BATTERO enjoys the unique resource integration ability and full industry chain synergy advantages endowed by Tsingshan industry, and becoming one of the fastest growing battery manufacturers in the industry.

全球不锈钢粗钢产量

Output ranking of crude steel for stainless steel making worldwide

NO.1

全球镍金属产量

Output ranking of nickel metals worldwide

NO.1

2023年全球500财富榜

2023 Global Fortune 500 List

NO.257

2023年销售收入 (RMB)

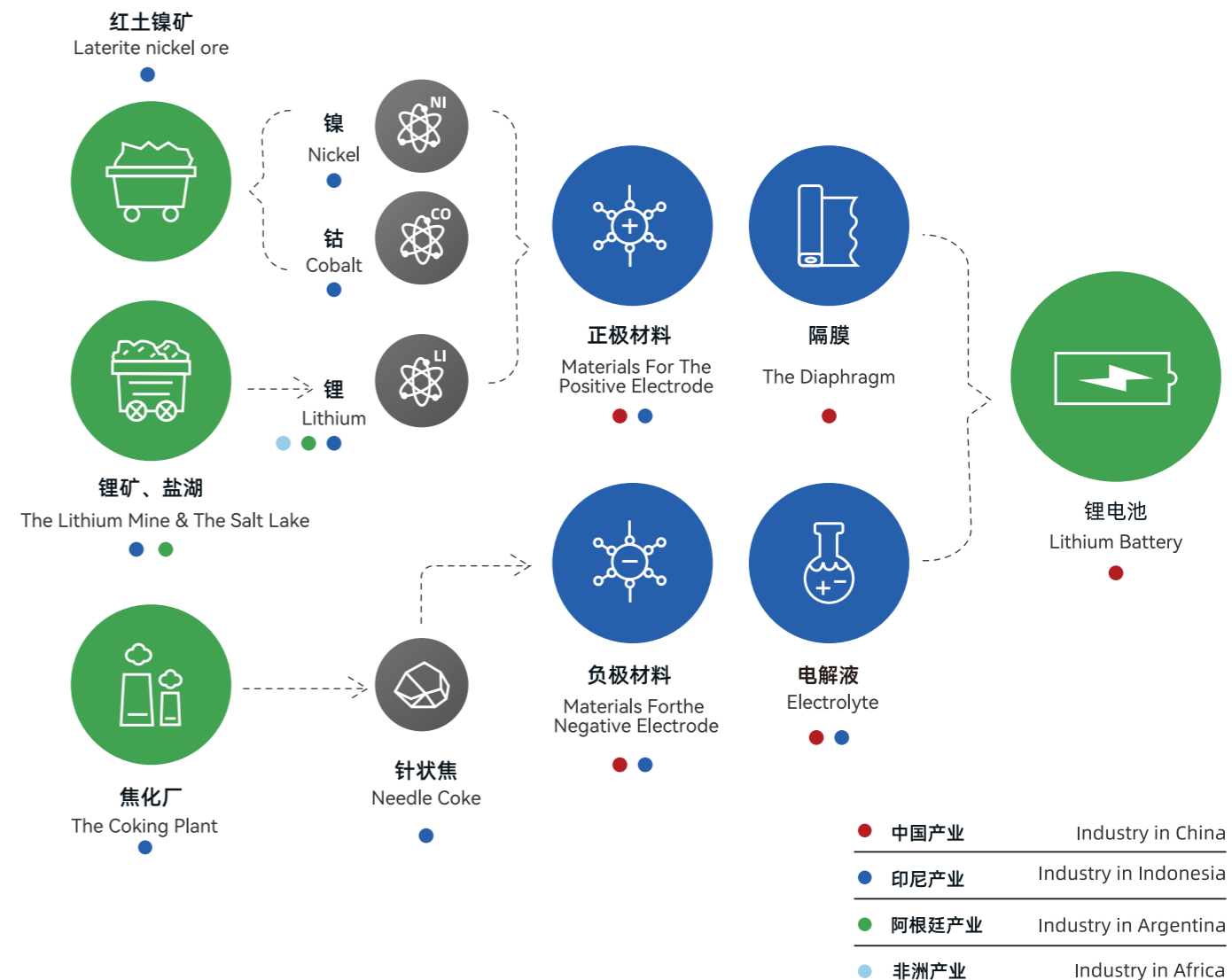
Year 2023 Sales revenue
382.1 billion

3821 亿

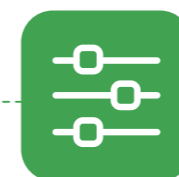
股票
代码 0666.HK

青山新能源产业链

NEW ENERGY INDUSTRY CHAIN OF TSINGSHAN



独特优势 | Unique advantage



一体化产业链

Integrated industrial chain



长期稳定、高性价比供应链保障

Long term stable and cost-effective supply chain guarantee



资源整合协同

Resource integration and collaboration

瑞浦兰钧

REPT BATTERO

瑞浦兰钧能源股份有限公司成立于2017年，是青山实业在新能源领域布局的首家企业。主要从事锂离子电池的研发、生产、销售，为新能源汽车动力及智慧储能提供解决方案，携手客户一起加速全球绿色能源转型。

公司在上海、温州、嘉兴设有研发中心，在温州、嘉兴、柳州、佛山、重庆设有生产基地，截止2023年底，总产能为62GWh，预计2025年产能将超过150GWh。2023全年，储能电池出货量全球第四，LFP动力电池装车量全球第六。

REPT BATTERO Energy Co., Ltd. was established in 2017 as the first enterprise invested by Tsingshan Industry in the field of new energy. REPT BATTERO mainly engages in the research and development, production, and sales of lithium-ion batteries, providing solutions for new energy vehicle and smart energy storage system. REPT BATTERO develops innovative products and services to accelerate the global green energy transformation. The company has R&D centres in Shanghai, Wenzhou and Jiaxing, and production bases in Wenzhou, Jiaxing, Liuzhou, Foshan and Chongqing. By the end of 2023, the total production capacity was 62GWh, and it is expected that the production capacity will be more than 150GWh in 2025. By the end of 2023, the total production capacity was 62GWh, and it is expected that the capacity will exceed 150GWh in 2025. For the full year 2023, energy storage battery shipments will be the fourth largest in the world, and LFP power battery installations will be the sixth largest in the world.



2017年

2017.12
瑞浦能源有限公司成立

2017.10
温州制造基地启动建设

2018年

2018.10
3GWh产线正式投入使用
The production line of 3GW was officially put into operation.

2019年

2019.06
首批4.5吨电动物流车电池交付使用

2019.07
首批10.5米电动公交车交付使用

2019.08
三元电池批量交付应用于电动乘用车

2019.11
公司进入东风乘用车供应商体系

2020年

2020.04
高比能LFP电池交付上通五菱 (E100)

2020.05
新一代NCM电池批量交付

2020.06
产品通过宇通客车内部测试完成10.5米车公告申报

2020.12
单月出货量位列行业第5

2021年

2021.04
获得PSA-OTC项目定点正式进入国际动力电池市场

2021.07
获得吉利PMA项目平台定点

2021.10
温州二期基地正式投产 获得零跑汽车项目定点

2022年

“问顶电池”全球发布，体积能量密度领先全球
The global release of "Wending Battery" leads the world in terms of volume and energy density

PHEV电池成功开发
Successful development of PHEV batteries

2022.01
获得一汽奔腾，上汽大通项目定点

2022.02
上汽集团投资入股瑞浦能源，并获得上汽乘用车项目定点

2022.03
上汽·青山（赛克瑞浦）20GWh项目签约

2022.09 2022.12
月出货量突破2GWh 年销售收入过百亿

2023年

2023.02
重庆30GWh生产基地项目正式签约
Chongqing 30GWh Production Base Project Officially Signed

2023.02
荣获2022年度国家绿色工厂称号
Awarded 2022 National Green Factory

2023.03
温州制造基地(三期)项目签约
Signing of Wenzhou Manufacturing Base (Phase III) Project

2023.05
Energy Vault签署10GWh储能电池供货协议
Energy Vault Signs 10GWh Energy Storage Battery Supply Agreement

2023.06
加入全球电池联盟 (GBA)
Joined Global Battery Alliance (GBA)

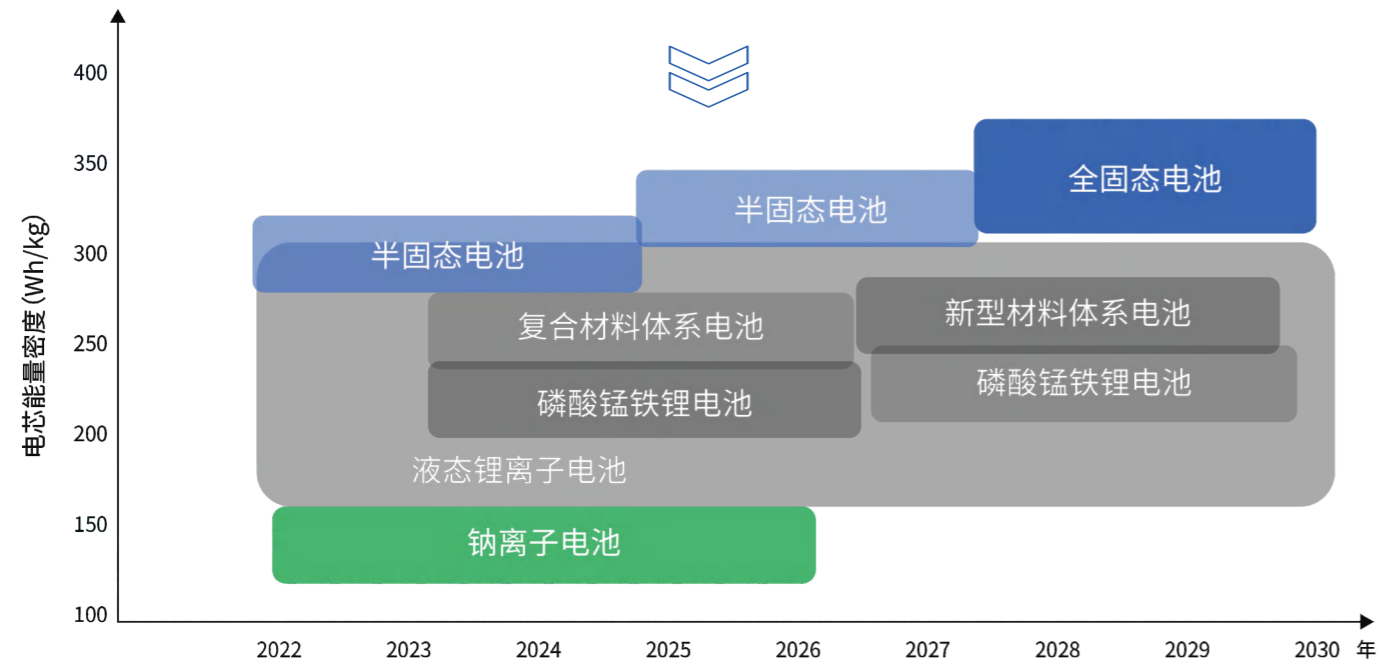
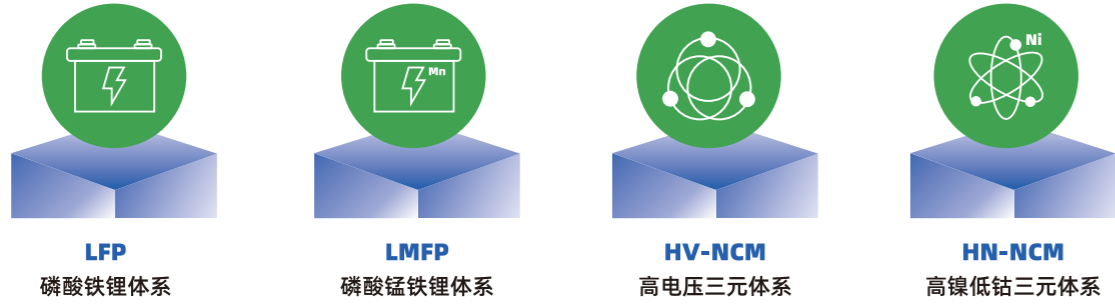
2023.07
瑞浦赛克年产20GWh项目投产
Ripsack commences production of 20GWh per year project

2023.09
瑞浦兰钧欧洲子公司正式启动
Official Launch of REPT BATTERO's European Subsidiary

2023.12
瑞浦兰钧成功登陆港交所
REPT BATTERO successfully landed on the Hong Kong Stock Exchange
Translated with DeepL.com (free version)

电芯研发路线

R&D ROADMAP



电芯类型	特性	材料体系演进				
		2022	2024	2027	2030	
纯电 Pure electricity	高比能 High specific energy	HV NCM6/HN NCM8 Gr, Nonaqueous 250-280Wh/kg	HV NCM6/HN NCM8 Gr-SiOx, Liquid/SSSB 270-300Wh/kg	HN NCM8/9/Pre-Li Gr-SiOx, SSSB 300-350Wh/kg	HN NCM9/Pre-Li SiOx/Li metal, SSSB 350-400Wh/kg	LNMO/LNO Lithium metal, ASSB 400+Wh/kg
	经济型 Economical	LFP/Gr 400-450Wh/L	LFP, LMFP, LFP composite/Gr 410-490Wh/L	LMFP, LMFP/NCM Gr 440-510Wh/L	LMFP, LMFP/NCM+Pre-Li Gr 470-530Wh/L	
	快充 Fast charging	HV NCM6 + Gr 250Wh/kg 2.2C&4.35V	HV NCM6/8 + Gr 24 0-250Wh/kg 4C&4.35V	HV NCM6/8 + Gr-SiOx 270Wh/kg 5C&4.25V		
		LFP + FC Gr 1.6C	Spherical LFP + FC Gr 2.2C	Spherical/composites LFP+ Hard carbon/Gr 4C		
混动 Hybrid	PHEV +增程式 Extended-Range	NCM6/Gr 7C/8C 510-530Wh/L	NCM8/Gr 9C 530-550Wh/L	580-600Wh/L		
		LFP/Gr 7C 370-390Wh/L	LFP/Gr 8C 390-420Wh/L	400-460Wh/L		

THE INNOVATIVE NEW TECH OF "WENDING"

高能问顶 续航无界

融合电芯结构技术、工艺技术及装备技术创新、内部电化学特征及稳定固液界面的尖端技术，可应用于磷酸铁锂电池和三元锂电池产品，实现双高电极的应用，并持续增强电池的能量特性及安全特性。

Wending Technology integrates cutting-edge technologies such as cell structure technology, process technology and equipment innovation, internal electrochemical characteristics, and stable solid-liquid interface, which can be applied to LFP and NCM batteries to achieve the application of dual high electrodes and continuously enhance the energy characteristics and safety characteristics of batteries.



全球领先的动力电池体积能量密度, 解决续航焦虑
Global leading power battery volume and energy density to solve range anxiety

- LFP体系 **700KM** 续航
- NCM中镍体系 **1000KM** 续航
- NCM高镍体系 **1200KM** 续航

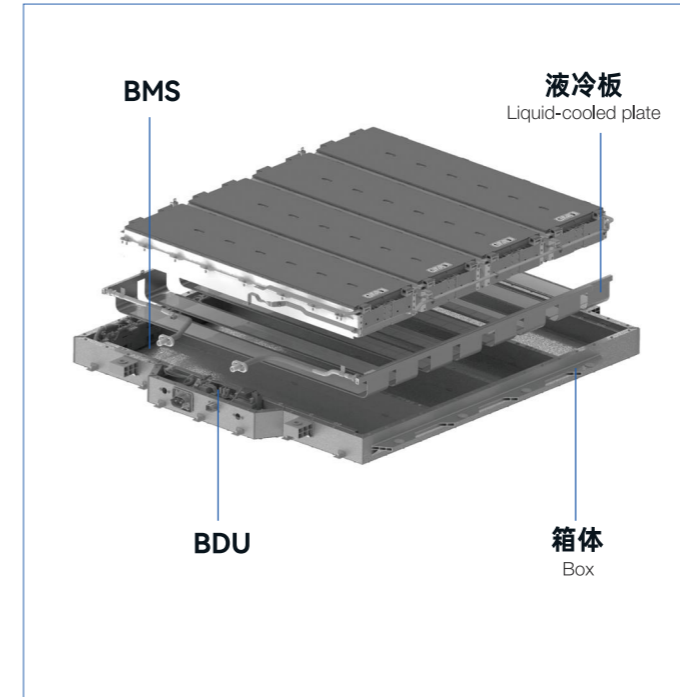
产品列表

PRODUCTS LIST

专栏 “问顶电芯” WENDING	容量 Capacity	158Ah	200Ah (NCM)	324Ah	175Ah	345Ah
	额定电压 Rated voltage	3.2V	3.66V	3.2V	3.2V	3.2V
	能量密度 Energy density	450Wh/L	650Wh/L	185Wh/Kg	185Wh/Kg	180Wh/kg
	尺寸 (mm) Dimension	70*148*112	79*148*105	71*173*204	40*300*112	71*173*204
	技术特点 Characteristic	3000cycles	2000cycles	5500cycles	3000cycles	10000cycles
PHEV&REEV	容量 Capacity	65Ah	54Ah	28Ah	104Ah	
	额定电压 Rated Voltage	3.2V	3.2V	3.2V	3.2V	
	技术特点 Characteristic	功率型(6C) characteristic	功率型(6C) characteristic	功率型(8C) characteristic	功率型(8C) characteristic	
BEV	容量 Capacity	132Ah	142Ah	104Ah	166Ah	214Ah (R300) 198Ah(R600)
	额定电压 Rated voltage	3.2V	3.2V	3.2V	3.2V	3.2V
	能量密度 Energy density	170Wh/kg	180Wh/kg	176Wh/kg	180Wh/kg	190Wh/kg 190Wh/kg
	尺寸 (mm) Dimension	44*220*110	70*148*112	52*148*118	60*194*112	50*300*112 22*574*118
	技术特点 Characteristic	2C快充 Fast charging	高比能&长寿命 High Specific Energy & Long Life	高比能 High specific energy	高比能 High specific energy	高比能 High specific energy 高比能 High specific energy
	容量 Capacity	152Ah(NCM)	190Ah (NCM)	177Ah(NCM)	155Ah(半固态)	
	额定电压 Rated voltage	3.66V	3.66V	3.66V	3.66V	
	能量密度 Energy density	250Wh/kg	260Wh/kg	250Wh/kg	250Wh/kg	
	尺寸 (mm) Dimension	50*194*111	79*148*105	79*148*102	79*148*102	
	技术特点 Characteristic	4C超快充 Ultra fast charging	高安全&超高比能 High Safety&Ultra High Specific Energy	高安全&长寿命 High Safety&Long Life	高安全&长寿命 High Safety&Long Life	
商用车 Commercial vehicles	容量 Capacity	230Ah	302Ah	150Ah	205Ah	324Ah 345Ah
	额定电压 Rated voltage	3.2V	3.2V	3.2V	3.2V	3.2V
	能量密度 Energy density	180Wh/kg	180Wh/kg	180Wh/kg	180Wh/kg	185Wh/kg 180Wh/kg
	尺寸 (mm) Dimension	54*173*204	71*173*204	36*173*204	54*173*204	71*173*204 71*173*204
	技术特点 Characteristic	6000cycles	6000cycles	5000cycles	5000cycles	5500cycles 10000cycles

核心技术实现卓越性能

CORE TECHNOLOGY ACHIEVES EXCELLENT PERFORMANCE



全域自研

Independent research and development in all fields



PACK的各个关键部位皆由瑞浦兰钧自主研发满足国家强检和车企的各项专业验证要求

All key parts of the PACK are independently developed by REPT BATTERO which meet the various professional verification requirements of national mandatory inspections and automobile enterprises

- 可拆卸式CTP技术便于维护
Detachable CTP technology for easy maintenance
- 超脑BMS覆盖800V快充平台
Ultra Brain BMS coverage on 800V fast charging platform
- PACK 先进热管理技术
PACK Advanced Thermal Management Technology

应用案例

APPLICATION CASES

	续航里程 Range	装车型号 Assembled vehicle model
乘用车 Passenger vehicles	800 ~ 1000KM 700 ~ 800KM	
	500 ~ 700KM	
	400 ~ 500KM	
	200 ~ 400KM	
商用车 Commercial vehicles and other application cases		

*更多配套车型及应用案例，敬请期待
Stay tuned for more supporting models and application cases

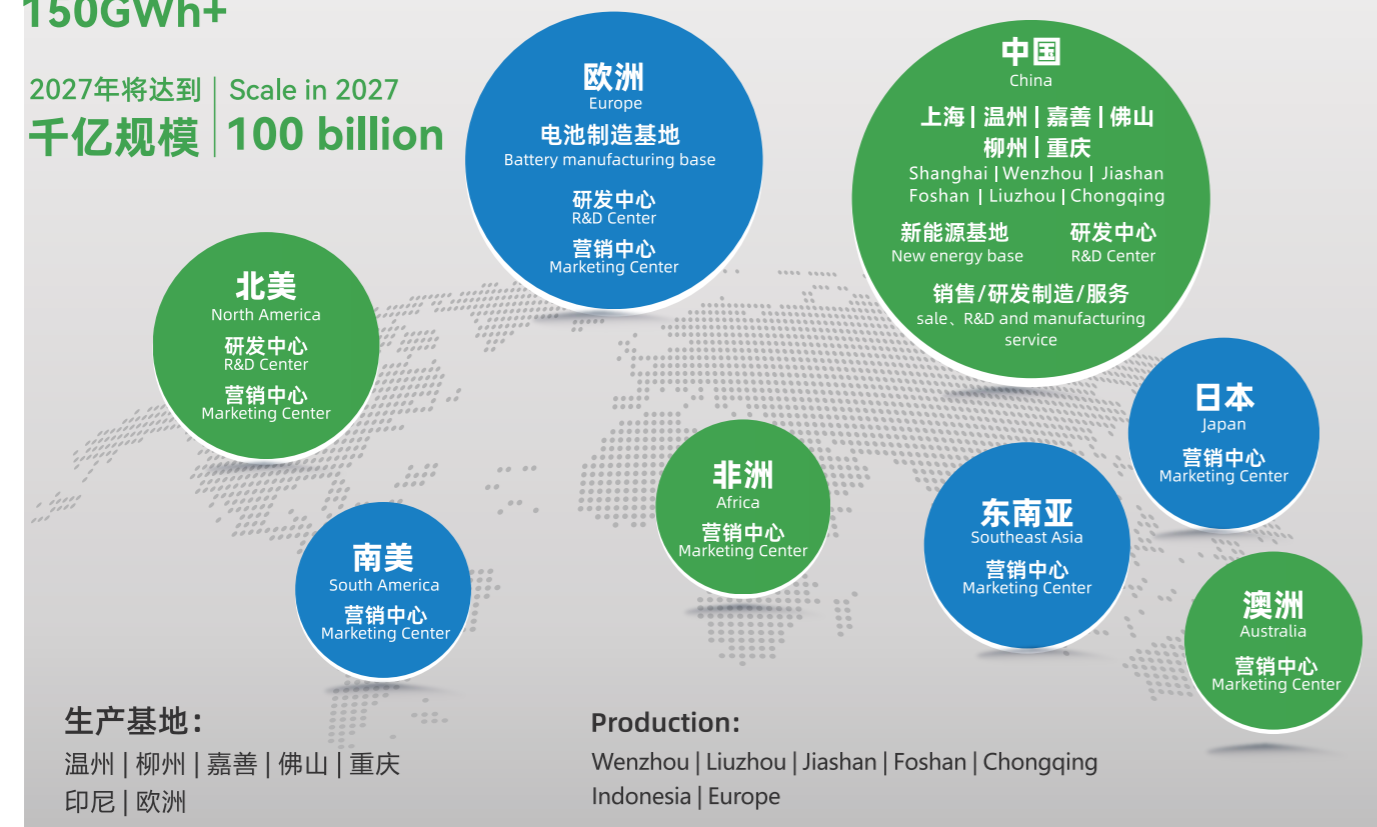
全球产业布局

GLOBAL INDUSTRIAL LAYOUT

2025年规划产能 Capacity planning in 2025

150GWh+

2027年将达到 | Scale in 2027
千亿规模 | 100 billion



▲温州制造基地



▲嘉善制造基地



▲重庆制造基地



▲柳州制造基地

可持续发展

SUSTAINABLE DEVELOPMENT

ESG措施 ESG Measures



废物排放及利用
Waste discharge and utilization



电池回收
Battery recycling



员工生产安全健康
Production safety and health of staffs



供应链溯源管理
Supply chain traceability management



能源利用
Energy use



企业社会责任体系
Corporate social responsibility system

ESG建设成果 ESG achievement

获批2022国家级绿色工厂
Approved 2022 National Green Factory

入选2021年浙江省绿色低碳工厂名单
Selected into the list of Green and low-carbon factory in Zhejiang Province in 2021

通过浙江省2021年“无废工厂”评估
Passed the evaluation of "waste free plant" in Zhejiang Province in 2021

获得ISO45001:2018-职业健康安全管理体系的认证
Obtained the certification of ISO45001:2018-Occupational Health and Safety Management System

获得国际业务可持续性评分平台 Ecovadis企业社会责任铜牌勋章
Won the bronze medal of Ecovadis corporate social responsibility, an international business sustainability scoring platform

