

公司介绍

Company profile

赣锋锂电
GanfengLiEnergy

江西赣锋锂电科技有限公司

江西赣锋锂业股份有限公司旗下全资子公司（股票代码：A股002460，H股01772）

江西赣锋锂电科技有限公司成立于2011年6月，2016年新建“年产6亿瓦时大容量锂离子动力电池项目”，专业从事于新型锂离子电池的研发、生产和经营，主要产品为磷酸铁锂电芯、动力电池组、电池管理系统、储能电池组及风光电储能系统等。一期制造工厂采用国内最先进的生产设备，通过合理布局实现高度自动化和智能化，2020年单体电芯年产达10亿瓦时，平均日产达到3百万瓦时以上；二期工厂规划产能20亿瓦时/年。

Jiangxi Ganfeng LiEnergy Technology Co., Ltd.

A wholly owned subsidiary of Jiangxi Ganfeng Lithium Industry Co., Ltd. (stock code: A shares 002460, H shares 01772)
Jiangxi Ganfeng LiEnergy Technology Co., Ltd., a wholly-owned subsidiary of Jiangxi Ganfeng Lithium Co., Ltd., was founded in June 2011. It is located in Xinyu hi-tech development zone, Jiangxi province. In 2016, it established the "high-capacity lithium ion power battery project with an annual output of 600 million Wh, which is specialized in the research, development, production and operation of new lithium ion batteries, mainly product including lithium iron phosphate battery cell, power battery pack module, battery pack BMS system, energy storage battery pack and wind-solar energy storage system. The annual output of single cell reaches 1GW 2020 year, and the average daily output reaches 3 million Wh. The second phase plant is planned to have a capacity of 2 GWh every year.

客户案例

Customer case

项目一 Project 1

许继集团电网侧储能项目
Xuji group grid side energy storage project

项目二 Project 2

江苏10MW/54.2MWh用户侧商业储能项目
Jiangsu 10MW / 54.2MWh consumer side commercial energy storage project

项目三 Project 3

东莞1MW/3MWh用户侧商业储能项目
Dongguan 1MW / 3MWh user side commercial energy storage project

项目四 Project 4

广州500KW/1.85MWh用户侧商业储能项目
Guangzhou 500kW / 1.85MWh consumer side commercial energy storage project

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ENERGY STORAGE SYSTEM

储能系统

国内外专用磷酸铁锂储能
系统技术领导者

Technical leader of lithium iron
phosphate energy storage system
at home and abroad



江西赣锋锂电科技有限公司
Jiangxi Ganfeng LiEnergy Technology Co., Ltd.

应用领域

Application area



微电网储能系统通常用于解决缺电地区用电紧张、频繁停电等问题，而且能实现内部电源和负荷的用电智能化及安全用电运行，并可与主电网进行协调控制，平滑的接入主电网或独立运行，并能满足甚至提高用户对电能质量、电能可靠性和安全性等要求。

Microgrid energy storage system is usually used to solve the problems of power shortage and frequent power outage in power shortage areas. It can realize the intelligent power consumption and safe operation of internal power supply and load, coordinate with the main grid, smoothly connect to the main grid or operate independently, and meet or even improve the user's requirements for power quality, power reliability and safety.

发电侧
辅助AGC
Generation side auxiliary AGC

发电侧
新能源消纳
Generation side new energy consumption

电网侧
调峰储能
Grid side peak shaving energy storage

用户侧
工商业储能
User side industrial and commercial energy storage

用户侧
户用储能
User side household energy storage

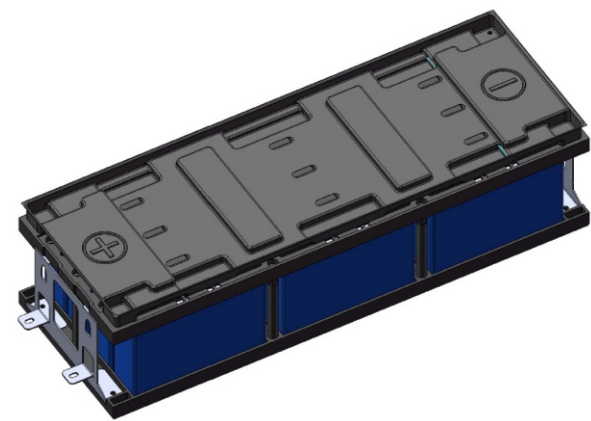
用户侧
IDC数据中心
User side IDC data center

用户侧
通讯基站
User side communication base station

综合智慧能源
Integrated smart energy

储能标准电池模组

ESS standard battery module



名 称 Item	技 术 参 数 Technical parameter
电芯类型 Cell type	LFP/48173127
成组方式 Series paralle mode	4P3S
额定电压 Nominal voltage	9.6V
额定容量 Nominal capacity	344Ah
额定电量 Nominal power	3.3kWh
工作电压范围 Operating voltage range	7.5~10.95V
工作温度范围 Operating temperature range	放电Discharge: -20°C~60°C; 充电Charge: 0°C~60°C
循环寿命 Cycle life	≥ 6000, 80%DOD
模组重量 Module weight	28kg
模组尺寸 Module size	622*213*161mm

储能电池系统

Energy storage system

通讯储能系统

Communication ESS



名 称 Item	技 术 参 数 Technical parameter
电芯类型 Cell type	LFP/48173127
额定电压 Nominal voltage	48V
额定容量 Nomianl capacity	100Ah
额定电量 Rated power	4.8kWh
工作电压范围 Operating voltage range	37.5~54.7V
系统成组方式 System Series paralle mode	1P15S
循环寿命 Cycle life	7000 (0.5C,90%DOD)
工作温度范围 Operating temperature range	放电Discharge: -20°C~60°C; 充电Charge: 0°C~60°C
防护等级 Protection class	IP54
箱体尺寸 Box Size	442*410*221mm

名 称 Item	技 术 参 数 Technical parameter
电芯类型 Cell type	LFP/48173127
额定功率 Nominal Power	2*500kW
额定容量 Nominal capacity	3MWh
直流电压范围 Dc voltage range	500-850V
系统能量转换效率 System energy conversion efficiency	≥88%
循环寿命 Cycle Life	5000 , 100%DOD
防孤岛反应时间 Anti-islanding Time	50ms
实时功率动态响应时间 Real-time power dynamic response time	60ms
保网检测时间 Net detection time	20-40ms
均衡方式 Balance Method	主动均衡 Active balance
工作温度 Operating temperature	25±5°C
防护等级 Protection class	IP54 (集装箱) IP54 (Container)
集装箱规格 Container Specification	2*40尺高柜 2*40 HQ

MW级储能系统

MW level energy storage system

