

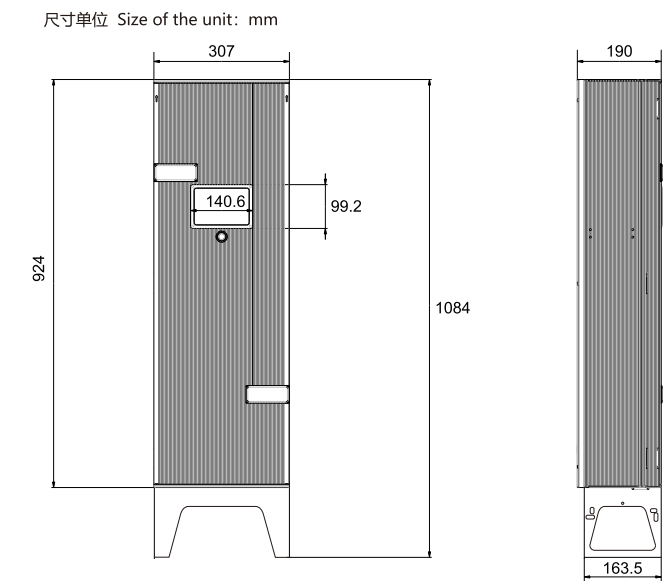
# PERFORMANCE PARAMETERS

## 性能参数

主要储能柜参数 Technical Data			
型号 Model	GIE-5.25kWh -122V/43Ah	GIE-13.2kWh -307V/43Ah	GIE-21.2kWh -492V/43Ah
额定电量 Fixed Electricity ( kWh )	5.3@0.5C	13.2@0.5C	21.2@0.5C
转换器效率 Exchange Efficiency ( % )	≥98.0		
稳压精度 Voltage Regulation Accuracy ( V )	≤1		
工作温度 Working Temperature ( °C )	充电 Charge : 0~45℃ ; 放电 Discharge-20~60℃		
尺寸 Size ( mm*mm*mm )	1084*307*190	1084*614*190	1084*921*190
防护等级 Protection Grade	IP65		
冷却 Cooling	自然冷却 Natural Cooling		
通信接口 Communication Interface	CAN/RS485		
电池端数据 Battery Data			

标称电压 Nominal Voltage ( V )	122	307	492
电压范围 Voltage Range ( V )	99-139	249-349	399-559
标充/快充电流 Ragular/Rapid Charge Current ( A )	20/40	20/35	20/35
均衡方式 Equilibrium Condition	被动均衡 Passive Equilibrium 100mA (Max)@ 3.7V		
单体电压采样精度 Monomer Voltage Sampling Precision	≤10mV		
电流采样精度 Current Sampling Precision	≤0.5 A		
保护功能 Protection Function	单体欠压/过压保护、SOC过低保、高温/低温保护、充放电电流保护、压差保护、温差保护、绝缘保护、硬件故障保护等。 Monomer Under/Over Voltage Protection、SOC Low Voltage Procttion、High/Low Temperature Protection、Charge/Discharge Current Protection、Differential Pressure Protection、Temperature Difference Protection、Insulation Protection、Hardware Default Protection ect.		
额定功率 Fixed Power ( kW )	2.5	6.0	10.0
最大功率 Max Power ( kW )	5.0	10.0	15.0

光伏端数据 Photovoltaic Terminal Data			
最大输出电流 Max Output Current ( A )	40		
电压输出范围 Votage Output Range ( V )	200-500	450-800	700-900
额定输出功率 Fixed Output Power ( kW )	≥2.45	≥5.88	≥9.8
功能性保护 Functional Protection	硬件过流保护、过压保护、过温保护、绝缘故障保护 Hardware Overcurrent Protection、Over Voltage Protection、Over Temperature Protection、Insulation Default Protection		



# QUALITY AND SERVICE

## 质量与服务

为了满足客户需求，提升产品和系统的稳定性和安全性，缩短产品周期，公司在产品的研发和生产阶段进行了多项安全测试，并建立了一套完整的质量管理体系，保证产品质量。

All of our products have gone through a series of safety tests in order to improve the stability and safety, shorten the product period. Meanwhile, we have established a complete quality management system to gurantee the quality.

除了具备软、硬件研发能力，公司严格执行ISO9001000以及ISO4001标准，从原材料进厂到生产制造诸多环节进行全方位测试，例如：软件功能测试、结构稳定性测试、耐用测试、低温与高温测试等，确保所有产品都经过严格的质量系统把关。

We’ re good at soft ware and hard ware R&D and follow ISO9001000 and ISO4001 standards. All rounded tests was maintained including raw materials incoming and manufacturing such as software functional test, construction stability test, reliability test, low and high temperature test etc.

除了标准严格的测试流程外，测试工程师会根据不同机种的特殊功能制定不同的测试方案，保证产品的高质量和个性化。

Specific test plans were made based on different functions as well as setting strict standards, to gurantee high quality and personality.

除了完整的质量管理体系，产品还提供专业的FAE保障，实行端到端响应，从选型、应用开发直至售后保障实行一条龙服务，免除客户的后顾之忧。

Professional FAE guarantee, end to end reaction, one package service from sorting, application development to after sales service, satisfies all kinds of needs from customers.

本着追求极致外观，卓越操作体验的设计理念，公司打造出一系列储能柜精品。根据不同的应用场合以及不同的客户需求，FAE团队提供专业有针对性的应用软件参考模块。如集装箱的电存储、商业用住宅的电存储、电动汽车充电站的电存储、电信基站的电存储等。最大限度的实现客户快速部署和应用价值的最大化。

Focus on perfect appearance, outstanding operation design, we’ ve created a series of competitive products. To satisfy different kinds of applications and customers, FAE team has designed the respective app. For example, container electricity storage, commercial estate, electric bus charging station and telecom station. And it satisfies customers’ allocation in the fastest way and maximum application.

# APPLICATION

## 应用领域



# 新能源自由对接 创信息开放互联

## ECO-ENERGY FREE CONNECTION INNOVATIVE INFORMATION INTERCONNECTION



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格力智能一体化储能方案

Gree Intelligent Integrated Energy Storage Solutions



智能  
Intelligent



安全  
Safe



可靠  
Reliable



环保  
Eco-friendly



「能源互联网先行者」  
Network Energy World



# PRODUCT PROFILE

## 产品简介

智能户用储能系统是一款集智能互联、高能量电芯、电池管理、状态监控、人机交互于一体，促进能源生产消费、开放共享、灵活交易、多能协同，实现并、离网运行的智能电能存储设备。电芯生产工艺无污染、绿色环保，支持连接格力自主研发的信息能源管理系统（G-IEMS：information energy management system），从而实现清洁、安全、高效、舒适的人居工作生活环境，它以操作的便捷性、良好的兼容性、极高的性价比成为家庭储电的首选。

Intelligent household power storage system integrates smart connection, high energy electric core, battery control, status monitoring and man-machine interaction. It is an intelligent power storage equipment with the ability to promote energy generating and consumption, open and sharing, free trade, muti-functions and operation on and off line. Working process of battery is friendly、environmental, It is applied to Gree self-developed information energy management system (G-IEMS), of which, a clean, safe, highly effective residential environment is guranteed and has become most families’ first choice with features like easy operation, compatibility and reasonable prices.

目前，产品提供GreePower1.0系列、GreePower2.0系列，GreePower3.0系列，具有高效率，大容量和高可靠性。

GreePower1.0 and GreePower2.0 series are highly effective, big capacity and reliable products.

容量升级

# 全新改变 · 为您而来

[UPGRADED CAPACITY] AN ALTERNATIVE FOR YOU

## GreePower2.0和3.0 series

为满足客户的个性化需求，格力设计了智能户用储能系统GreePower2.0系列，该系列产品拥有13.2kWh容量，较GreePower1.0系列更高效、更稳定、更强大，同时GreePower2.0系列储能柜能有效的存储集装箱光伏发电系统的电能，并在日照量不足，夜间以及应急状态下释放干净、优质的电能，可满足一栋三居室家庭的全天候用电需求。

GreePowder2.0 is a customized product, capacity 13.2kWh, more effective, stable and reliable than GreePower1.0 series. It’ s able to store the electricity generated by photovoltaic effectively. Meanwhile, it supplies a three-bedroom house with electricity for a whole day.

为了给商户提供充足的储备电能，满足商业的持续供电需求，格力对储能柜进行了容量升级，在GreePower2.0系列的基础上增加了GreePower3.0系列。GreePower3.0系列储能柜拥有22.5kWh容量，能最大限度地满足商业用电需求，在电价最高时储存成本较低的太阳能，降低用户的电力高峰需求费用。

GreePower3.0 series is the upgraded version of GreePower2.0, storage capacity 22.5kWh, satisfies the maximum demands of commercial electricity, lower the electricity fee during the peak period by using solar power.



## 高效稳定 High Efficiency and Stable

该产品采用鱼骨型翅片散热，能有效增大散热面积,提高降温速度。同时，产品搭载高效充放电装置，稳压精度高、输出噪音低、抗干扰能力强。

Fish-shape heat dissipation is to enlarge the heat radiating area and improve cooling speed. The application of charge-discharge device guarantees voltage stability, lower the output noise and strengthens the interference rejection.

## 安全耐用 Safe and Durable

通过行业权威认证，内置多级电池管理系统，具备过压和欠压保护、过流和短路保护、过高温和过低温保护等电路保护功能，以提高系统的可靠性。

Certified by authorized organization, mutistage battery management system, overload and undervoltage protection, overcurrent and short out protection, high and low temperature protection and improved reliability.

## 安装灵活 Flexible Installation

GreePower系列采用全铝塑壳体模块化设计，柜体间可实现自由拼接扩容，根据住宅面积不同，可连接多台储能产品同时使用，安装灵活，支持墙壁和地面安装。

100% Al-plastic modular design, flexible construction between every cabinet, connecting more than one cabinet at the same time on the basis of variable proportion, flexible installation, wall mounted and ground mounted are both available.

## 经济实用 Economical and Practical

预留G-IEMS系统接口，可根据系统峰谷电价策略进行能量调度，实现光伏分布式能源局域自发自用，利用廉价的夜间电力充电，降低最大用电高峰，通过地方“阶梯电价”实现节省电费的效果收益。

G-IEMS system connector, electricity can be adjusted according to the price at peak hours, self-created and application of photovoltaic energy distribution. Charge during the night, lower the max electricity to save electricity fee.

## 智能互联 Intelligent Connection

友好的人机交互界面，支持手机WIFI直联，APP状态实时监测。

Friendly man-machine iteration screen, wi-fi connection, APP real-time monitoring.

## GreePower1.0 series

