

产品介绍

Product Description

标准集装箱储能系统

Normal Container Energy Storage System

产品优势 Advantages of Product

- 拥有先进的磷酸铁锂电池及产品制造技术
- 智能化温控系统，不受外环境影响
- 舱内具有先进热管理系统，保持温度均衡性
- 模块化设计，布局合理，维护便捷
- 自动安防系统，全浸模式，安全可靠，响应快速
- 标准集装箱便千装卸、运输及安装
- 智能化人机界面，操作简洁
- 标准化接口，连接便利、可靠快捷
- 认证：UL1973、UL9540、UL9540A、GB/T 36276、GB/T 34131
- Advanced lithium iron phosphate battery and product manufacturing technology
- Intelligent temperature control system, not affected by external environment
- The cabin has a advanced thermal management system to maintain temperature balance
- Modular design, reasonable layout, convenient maintenance
- Automatic security system, full immersion mode, safe and reliable, fast response
- Standard containers are easy to load and unload, transport and install
- Intelligent man-machine interface, simple operation
- Standardized interface, convenient connection, reliable and fast
- Certification: UL1973, UL9540, UL9540A, GB/T36276, GB/T34131



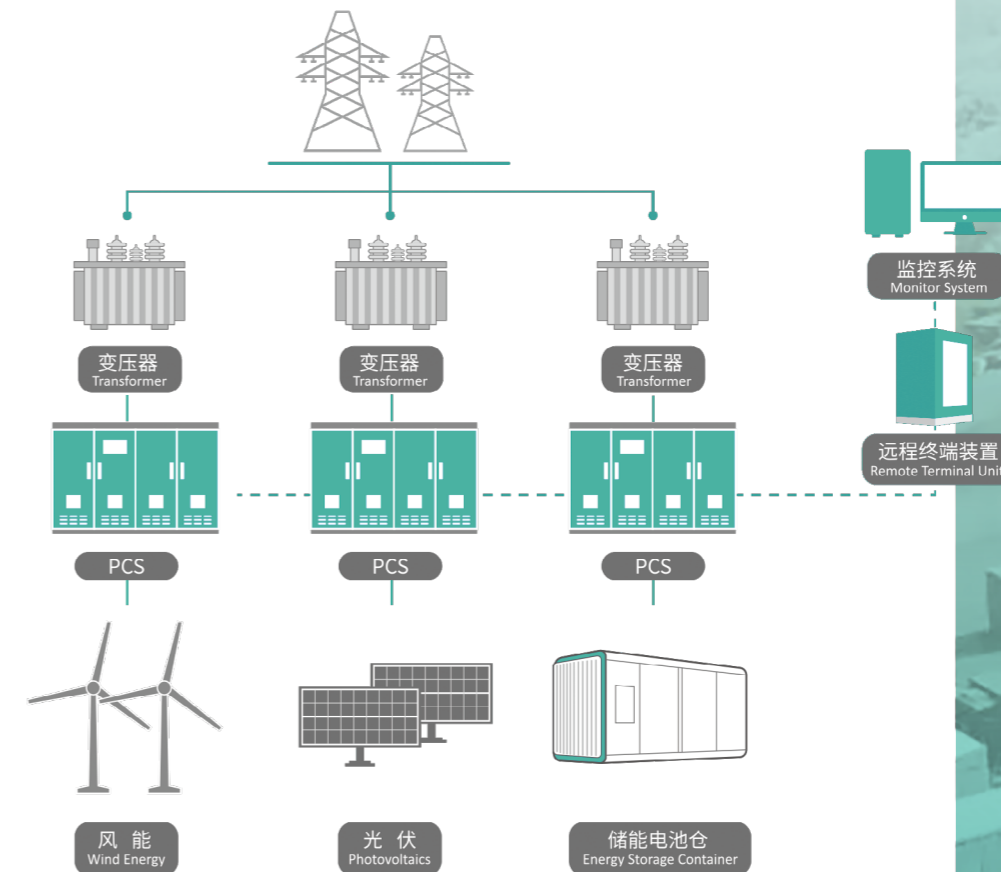
储能系统产品	Energy Storage System Products	40HQ	20HQ	
产品型号	Part Number	ESD729-10C3150	ESD1126-05C2700	ESD768-05C2880
电池簇型号	Rack Model	ESD729-10C175	ESD1126-05C449	ESD768-05C240
标称电量	Nominal Power	3150KWh	2700KWh	2880KWh
重量	Weigh	≈ 38t	≈ 26t	≈ 28t
外形尺寸	Dimensions (W x H x D)	2438X2896X 12192mm (WXHXD)	2438 x 2896 X 6058mm (WXHXD)	2500 X 2896 X 6058mm (WXHXD)
最大充放电倍率	Maximum charging and discharging rate	1C	0.5C	0.25C
标称电压	Nominal Voltage	729.6V	1126V	768V
输出电压范围	Output Voltage Range	615~ 820V	950~ 1284V	648~876V
环境要求	Environmental Requirement	海拔 <2000 米; 充电: 0° C-55° C; 放电: - 20° C-55° C Altitude <2000 m, Charging temperature: 0° C-55° C; Discharging Temperature: - 20° C-55° C		
通讯接口	Communication Interface	CAN2.0/RS485/Ethernet /干结点		
热管理	Thermal Management	智能化空调系统 Intelligent air conditioning system	智能化液冷系统 Intelligent liquid cooling system	
消防系统	Fire Extinguishing System	智能化消防系统+浸没式灭火 Intelligent fire protection system & submersion fire extinguishing		
防护等级	Level of protection	IP54		

集中式储能产品线介绍

Introduction to the centralized energy storage product

集中式储能系统主要应用于新能源场站、电网侧关键节点、大型工业用户等对能量调节需求较大且集中分布的场景，其主要特点为单一产品规模较大，目前主要采用集装箱式设计，以容纳数量巨大的锂离子电池同时工作。

皖储针对集中式储能应用及技术特点，应用智能化温控系统和先进的风冷/液冷热管理技术，保证大规模电芯集成使用过程中的长寿命与高一致性；从电芯、PACK、系统集成等多层级协同发力，构建了体系完善、联动响应、精准高效的锂离子电池储能安全体系；采用 20 尺/40 尺两种标准集装箱进行模块化设计，结合皖储厂内集成—测试—调试体系，保障产品快速高质量交付，为用户可靠、安全、经济地创造“储能价值”。



The centralized energy storage system is mainly used in scenarios with large demand for energy regulation and centralized distribution, such as new energy stations, key nodes on the grid side, and large industrial users. , to accommodate several huge lithium-ion batteries working simultaneously.

According to the application and technical characteristics of centralized energy storage, Wanchu applies intelligent temperature control system and advanced air-cooled/liquid-cooled heat management technology to ensure long life and high consistency during the integrated use of large-scale cells; Core, PACK, system integration and other multi-level collaborative efforts have built a lithium-ion battery energy storage safety system with complete system, linkage response, accurate and efficient energy storage; two standard containers of 20 feet and 40 feet are used for modular design, combined with Wan storage The in-plant integration-testing-commissioning system ensures fast and high-quality delivery of products, and creates "energy storage value" for users in a reliable, safe and economical way.