



产品概要

PRODUCT OVERVIEW

HDES-265-FC 是面向工商业场景设计的一体化户外储能柜，采用磷酸铁锂电池与高效风冷散热方案，系统容量 265kWh，额定功率 125kW。产品集成电池簇、BMS、EMS、智能温控、消防探测与自动灭火系统，具备过流、过热、消防联动等多重安全保护，可广泛用于电力储能、备用电源、削峰填谷、调频及光储微电网场景，为工商业用户提供安全、高效、稳定的一站式储能解决方案。

HDES-265-FC is an integrated outdoor energy storage cabinet designed for commercial and industrial scenarios. Adopting LiFePO4 batteries and high-efficiency air-cooling solution, it features a system capacity of 265kWh and rated power of 125kW. The cabinet integrates battery clusters, BMS, EMS, intelligent thermal management, fire detection and automatic fire suppression systems, with multi-level safety protections including overcurrent, overheating and fire linkage. It is widely applied in power energy storage, backup power, peak shaving and valley filling, frequency regulation and PV-storage microgrids, providing commercial and industrial users with a safe, efficient and stable one-stop energy storage solution.

产品亮点

PRODUCT HIGHLIGHTS



一体化集成设计

All-in-one
integrated design

集光伏 MPPT、PCS 逆变、储能汇流、配电、防雷、散热、EMS 管理于一体，现场安装便捷、系统集成度高

It integrates photovoltaic MPPT, PCS inversion, energy storage convergence, power distribution, lightning protection, heat dissipation and EMS management, featuring convenient on-site installation and high system integration



多路接入能力

Multi-channel
access capability

支持 4 路光伏输入、4 簇储能柜接入、2 路 125kW PCS 输出，适配工商业中大型光储项目

It supports 4-channel PV input, 4-cluster energy storage cabinet connection, and 2-channel 125kW PCS output, suitable for medium and large-scale commercial and industrial PV-storage projects



智能监控与保护

Intelligent Monitoring
and Protection

配备 EMS 显示屏、智能仪表、声光报警、急停按钮，实现电压 / 电流 / 功率 / 电能实时监测与故障主动保护

It is equipped with an EMS display, intelligent meters, audible and visual alarm, and emergency stop button, enabling real-time monitoring of voltage, current, power and electric energy, as well as active fault protection



丰富应用功能

Rich Application
Functions

支持削峰填谷、需量控制、防逆流、远程监控、断路器远控与状态检测

It supports peak shaving and valley filling, demand control, anti-backflow, remote monitoring, remote control of circuit breakers and status detection

SPECIFICATION PARAMETERS

型号	HDES-265-FC
电池类型	CELL: LFP-314Ah
系统串并数	1P264S
额定电压 (V)	844
额定容量 (KWh)	265
额定充放电功率 (kW)	125
建议 SOC 使用范围	0%~100%
循环次数	8000 (Cycle 100%充放, 衰减到70%)
直流侧效率	≥95%
尺寸 (宽X深X高)	1128*1648*2005mm
重量 (KG)	2300Kg
环境温度范围	-20~50℃
最高工作海拔 (米)	≤5000 (≥2000降额)
防护等级	IP54
搬运方式	底部叉车孔叉装, 顶部吊环
维护方式	前后维护
保护	过流保护
	过热保护
	消防保护
Pack参数	
成组方式	1P24S
额定容量	314Ah
额定电压	DC76.8V
工作电压范围	DC62.4 ~ 87.6V
额定能量	24.115kWh
外形尺寸	430*1120*250mm (宽*深*高)
标准重量	157Kg
消防参数	
产品名称	热气溶胶灭火装置, 感烟感温复合火灾探测装置
产品型号	QRR0.15G, JTY-ZH203
工作电压	DC24V±15%
额定电流	≤ 50mA
传感器类别	一氧化碳, 烟雾, 温度
输出接口	干接点输出*3
运行环境	≤95% (RH) ; -20℃-95℃

