

分布式储能

一体化解决方案

DISTRIBUTED ENERGY
STORAGE INTEGRATED SOLUTION

能量块
Energy block

能量链
Energy chain

能量云
Energy cloud

引擎聚能，驱动绿色未来

分布式储能一体化解决方案

THE ENGINE GATHERS ENERGY TO DRIVE A GREEN FUTURE
DISTRIBUTED ENERGY STORAGE INTEGRATED SOLUTION

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标准机柜式储能电池箱
Standard cabinet type energy storage battery box

ENGINE Racks -HV（高压）



技术参数 Technical parameter

产品名称 / Product name	ENGINE Racks -HV
产品型号 / Product model	ENE-HESS-LFP-HV-RR-KWh

直流侧参数 / DC side parameters

电芯类型 Cell type	磷酸铁锂 LiFePO4	单模块电压范围 Single module voltage range	89.6~115.2V DC
电芯规格 Cell specification	3.2V100Ah	系统电压范围 System voltage range	896~1152V DC
电池模块数量 Battery system configuration	支持 1~10 个串联 Support 1~10 Series	标准充电电流 Standard charging current	0.5C@持续 0.5C@lasts
单模块额定容量 Single module rated capacity	10.24kWh	最大充电电流 Max charging current	1C@脉冲 1C@pulse
单模块额定电压 Single module rated voltage	102.4V DC	标准放电电流 Standard discharge current	0.5C@持续 0.5C@lasts
系统总额定容量 Rated total energy(kwh)	102.4KWh	最大放电电流 Max discharge current	1C@脉冲 1C@pulse

基本参数 / System parameter

单模块重量 Single module weight	96Kg (单箱) 96Kg (single)		
单模块尺寸 (W*H*D) Single module size(W*H*D)	450X132X850 mm (单箱) 450X132X850 mm (Single)	运行湿度 Operating humidity	5~95%, 相对湿度 5~95%, relative humidity
系统尺寸 (W*H*D) ESS size(W*H*D)	600X1700X900 mm	消防 Fire protection	气溶胶灭火器 Aerosol fire extinguisher
防护等级 IP Rating	IP20	认证 Certification	MSDS/UN38.3/CE/ 运输鉴定报告 MSDS/UN38.3/CE/Transportation
冷却方式 Cooling mode	自然冷却 Free cooling	报警与保护 Alarm and protection	具备 Yes
设计寿命 Design life	10 年 10 years	指示灯状态 Indicator status	报警 / 运行 Alarm/Operation
循环次数 Cycle number	8000 次 (SOC≤70%、25℃) 8000 times (SOC≤70%、25℃)	安装方式 Installation method	落地式 Floor-standing
环境温度 Communicationinterface	充电 :0℃~50℃/ 放电 : -20℃~50℃/ 存储 : -10℃~45℃ Charging: 0℃~50℃/Discharging: -20℃~50℃/Storage: -10℃~45℃		



Industrial and commercial

102.4kWh



Back-up power



Off-grid



Micro-grid



Fuel saving solution



Self-consumption



Demand charge
management

Features and Advantages

- ▶ **High Safety, Long Lifespan:** Utilizes highly consistent, safe, and reliable Lithium Iron Phosphate (LFP) batteries.
- ▶ **Flexible Scalability on Demand:** Supports 1-10 parallel expansions to meet various capacity requirements.
- ▶ **Intelligent BMS:** Equipped with overcharge, over-discharge, overcurrent, short circuit, over-temperature protection, and data reading capabilities.
- ▶ **Communication Support:** CAN, RS485, RS232.
- ▶ **LCD Display with Historical Data Anomaly Query and Power Indicator Functions:** Provides an LCD screen for displaying information and querying historical anomalies in data, along with a power indicator light.
- ▶ **Application Scenarios:** Suitable for data centers, UPS systems, and medium-sized commercial and industrial energy storage applications.