

# 固态电池储能车

Solid-State Battery  
Energy Storage Vehicle

1567 kWh



半固态电池包

Semi-Solid-State Battery Pack



120KW 充电枪\*4

120KW Charging Gun \*4



200-950Vdc可调输出电压范围

Output Voltage Range 200-950vdc Adjustable

# 产品优势/Product Advantages

- 采用半固态电芯：具备高能量密度，严格的安全标准，热管理系统完善，覆盖极端环境工况、使用寿命长，维护成本低等特点；  
Semi-solid state cells: high energy density, high safety, excellent thermal management, extreme environment adaptability, long life, low maintenance.
- 同时支持4台车同时充电：具备4个120KW的直流枪，单枪输出功率0-120kW可自由分配；  
Supports 4-vehicle simultaneous charging: 4 × 120 kW DC guns, 0-120 kW adjustable output.
- 支持对多种车型供电：充电枪适配市场90%以上主流车型，可输出宽电压范围200V- 950V；  
Wide compatibility: suits 90%+ mainstream vehicles, 200-950 V wide voltage range.
- 多场景应用：油田施工、应急救援、活动保电、电网检修、抢险救灾、台区治理、海岛景区、柴发替代等；  
Multi-scenario: oilfield, emergency rescue, event power support, grid maintenance, disaster relief, island power, diesel replacement.
- 车身减震设计：配备危险品罐箱骨架运输半挂车，包含三桥骨架、空气悬挂、ABS系统等设备。  
Shock-resistant trailer: 3-axle skeleton, air suspension, ABS system.

|                             |                                           |                                                          |
|-----------------------------|-------------------------------------------|----------------------------------------------------------|
| 直流侧参数<br>DC Side Parameters | 电池类型 / Battery Type                       | LFP（半固态）                                                 |
|                             | 电芯额定容量 / Cell Rated Capacity              | 314Ah                                                    |
|                             | 额定电压 / Rated Voltage (V)                  | 832                                                      |
|                             | 电压范围 / Voltage Range (V)                  | 680~949                                                  |
|                             | 额定输出电流 / Rated Output Current (A)         | 157                                                      |
|                             | 充放电倍率 / Charge-Discharge Rate             | 0.5C                                                     |
|                             | 循环寿命 / Cycle Life (cycles)                | 7000, 25℃, 90%DOD,≥70%EOL                                |
| 交流侧参数<br>AC Side Parameters | 额定功率 / Rated Power (kW)                   | 750                                                      |
|                             | 额定电网频率 / Rated Grid Frequency             | 50/60Hz                                                  |
|                             | 最大交流电流 / Max. AC Current (A)              | 1299                                                     |
|                             | 额定交流电流 / Rated AC Current (A)             | 1082                                                     |
|                             | 接线方式 / Wiring Mode                        | 3P+N+PE                                                  |
|                             | 功率因数可调范围 / Power Factor Adjustable Range  | -1~+1                                                    |
|                             | 不平衡负载能力 / Unbalanced Load Capacity        | 100%                                                     |
| 充电参数<br>Charging Parameters | 电压总谐波畸变率 / THDu                           | < 3%                                                     |
|                             | 额定功率 / Rated Power (kW)                   | 120                                                      |
|                             | 输出电压范围 / Output Voltage Range             | 200~950VDC                                               |
|                             | 恒功率范围 / Constant Power Range              | 300~950VDC                                               |
|                             | 枪线长度 / Cable Length                       | 5米                                                       |
| 系统参数<br>System Parameters   | 启动方式 / Start Mode                         | 扫码/VIN/手动等/Scan code / VIN / Manual, etc.                |
|                             | 满配容量 / Fully Equipped Capacity (kWh)      | 1567                                                     |
|                             | 通讯接口 / Communication Interface            | RS-485/CAN/LAN/TCP IP                                    |
|                             | 温控方案 / Temperature Control Solution       | 液冷 / Liquid cooling                                      |
|                             | 消防方案 / Fire Protection Solution           | 气溶胶/全氟己酮+水消防/Aerosol / FK-5-1-12 + water fire protection |
|                             | 海拔高度 / Altitude (m)                       | 4000（>2000降额/Derating）                                   |
|                             | 允许环境温度 / Ambient Temperature (℃)          | -20~+55                                                  |
|                             | 防护等级 / Protection Grade                   | IP54                                                     |
|                             | 防腐等级 / Corrosion Protection Grade         | C4                                                       |
|                             | 集装箱尺寸 / Container Dimensions (W*D*H) (mm) | 6058*2438*2591                                           |
|                             | 满配重量 / Fully Equipped Weight (T)          | ≈22                                                      |

# 固态电池储能车

Solid-State Battery  
Energy Storage Vehicle

3343 kWh



半固态电池包

Semi-Solid-State Battery Pack



多场景使用

Multi-scenario Application



车身减震设计

Shock-absorbing Vehicle Design



级联扩容 灵活调度

Cascade Expansion & Flexible Scheduling

## 产品优势/Product Advantages

- 采用半固态电芯：具备高能量密度，严格的安全标准，热管理系统完善，覆盖极端环境工况、使用寿命长，维护成本低等特点；  
Semi-solid-state cells: High energy density, high safety, advanced thermal management, extreme environment adaptability, long service life, low maintenance.
- 支持级联扩容：即插即用，可支持多台电池车并联扩容，调度灵活；  
Supports cascade expansion: Plug-and-play, parallel connection, flexible scheduling.
- 安全性高：电池簇独立管理，热风险低；  
High safety: Independent battery cluster management, low thermal risk.
- 多场景应用：油田施工、应急救援、活动保电、电网检修、抢险救灾、台区治理、海岛景区、柴发替代等；  
Multi-scenario application: Oilfield construction, emergency rescue, event power support, grid maintenance, disaster relief, station area governance, island & scenic area power supply, diesel generator replacement.
- 车身减震设计：配备危险品罐箱骨架运输半挂车，包含三桥骨架、空气悬挂、ABS系统等设备。  
Shock-absorbing vehicle design: Hazardous goods tank skeleton semi-trailer, tri-axle, air suspension, ABS system.

## 产品参数/Product Parameters

|                             |                                           |                                                          |
|-----------------------------|-------------------------------------------|----------------------------------------------------------|
| 直流侧参数<br>DC Side Parameters | 电池类型 / Battery Type                       | LFP（半固态）                                                 |
|                             | 电芯额定容量 / Cell Rated Capacity              | 314Ah                                                    |
|                             | 额定电压 / Rated Voltage (V)                  | 1331.2                                                   |
|                             | 电压范围 / Voltage Range (V)                  | 1040~1497.6                                              |
|                             | 额定输出电流 / Rated Output Current (A)         | 157                                                      |
|                             | 充放电倍率 / Charge-Discharge Rate             | 0.5C                                                     |
|                             | 循环寿命 / Cycle Life (cycles)                | 7000, 25°C, 90%DOD, ≥70%EOL                              |
| 系统参数<br>System Parameters   | 满配容量 / Fully Equipped Capacity (kWh)      | 3343                                                     |
|                             | 通讯接口 / Communication Interface            | RS-485/CAN/LAN/TCP IP                                    |
|                             | 温控方案 / Temperature Control Solution       | 液冷 / Liquid cooling                                      |
|                             | 消防方案 / Fire Protection Solution           | 气溶胶/全氟己酮+水消防/Aerosol / FK-5-1-12 + water fire protection |
|                             | 海拔高度 / Altitude (m)                       | 4000（>2000降额/Derating）                                   |
|                             | 允许环境温度 / Ambient Temperature (°C)         | -20~+55                                                  |
|                             | 防护等级 / Protection Grade                   | IP54                                                     |
|                             | 防腐等级 / Corrosion Protection Grade         | C4                                                       |
|                             | 集装箱尺寸 / Container Dimensions (W*D*H) (mm) | 6058*2438*2896                                           |
|                             | 满配重量 / Fully Equipped Weight (T)          | ≈37                                                      |