

# 骆驼产品—40英尺集装箱储能系统

Products—40ft Container ESS



- 智能友好**  
Artificial Intelligence
- 安全可靠**  
Safety, Reliability
- 并离网切换 (选配)**  
On-off and Off-grid Switching (Optional)
- 灵活便捷**  
Flexible Convenient
- 经济实用**  
Economic Practically
- 无缝快速切换**  
Fast Switch

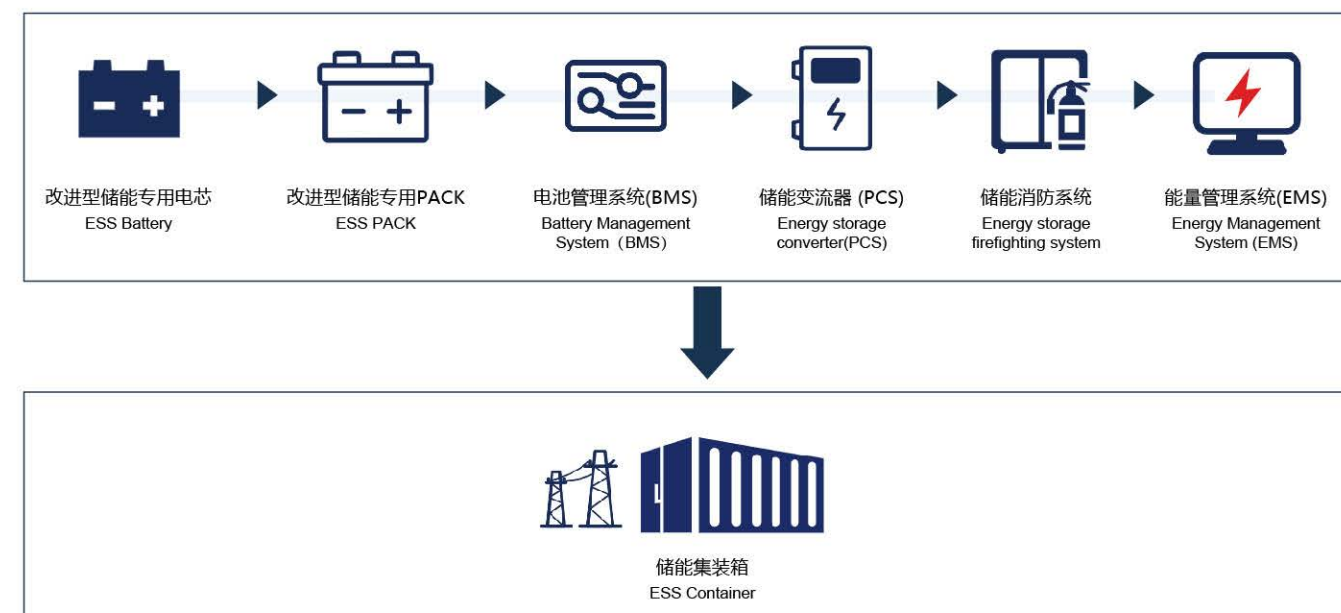
项目 Items	参数 Parameter
型号 Model	CES4.52-A01
功率范围 Max Power	0.8~2.4MW
最大储能容量 Max Capacity	4.8MWh
防护等级 Protection Rating	IP54
输出电压 Output voltage	380V
倍率 Rate	0.25C/0.5C
消防系统 Fire Fighting System	七氟丙烷管网式灭火系统 HFC-227ea Extinguishing System with Pipe Network
散热系统 Cooling System	智能风冷散热系统 Intelligent air cooling system
外形尺寸 Dimension	12.192m (长) x 2.438m (宽) x 2.896m (高) 12.192m (L) x 2.438m (W) x 2.896m (H)

# 创新技术优势—产品优势

Technology Advantages - Product Advantages

## 骆驼储能全产业链示意图：

Ess Whole Industry Chain Sketch Map :



### 全产业链 The Whole Industrial Chain

具备从电池、PACK、BMS、PCS、EMS、消防、系统集成等全产业链技术的研究、生产到应用的实力。  
It has the strength of research, production and application of the whole industry chain technology from battery, PACK, BMS, PCS, EMS, firefighting and system integration.

### 高安全性 High Security

5重主动消防：电池、BMS、簇、PCS、EMS；  
2重被动消防：特殊气体消防、水路消防。  
Five-fold active fire fighting: battery, BMS, rack, PCS, EMS;  
Two-fold passive firefighting: special gas firefighting, waterway firefighting.

### 高可靠性 High Reliability

智能高效型PCS：智能化运行、精细化管理、系统可用率达到99.9%；  
专利风道技术：系统电芯均温效果±3℃，提升电芯一致性，延长电芯使用寿命；  
EMS云：秒级大数据快速采集，具备黑匣子追溯功能，AI大数据分析，智能维护。

### 全系统超长寿命 Long Life Of The Whole System

改进型储能专用电池：8000次超长寿命，使用寿命达10年；  
储能系统：元器件选型、设计、生产加工全过程按10年周期。  
Improved energy storage battery: 8000 times long life, service life up to 10 years;  
Energy storage system: the whole process of component selection, design, production and processing is conducted on a 10-year cycle.

### 全周期高性价比 High Cost Performance Throughout The Cycle

全系统系列产品自主研发，系统升级维护便捷；  
整系统效率达到89%。  
The whole system series products are independently researched and developed, and the system upgrade and maintenance is convenient.  
The efficiency of the whole system reached 89%.

Intelligent and efficient PCS: intelligent operation, fine management, system availability up to 99.9%;  
Patented air duct technology: system cell temperature uniformity effect ±3℃, improve the consistency of the cell, prolong the service life of the cell;  
EMS cloud: Second-level big data fast collection, with black box traceability function, AI big data analysis, intelligent maintenance.