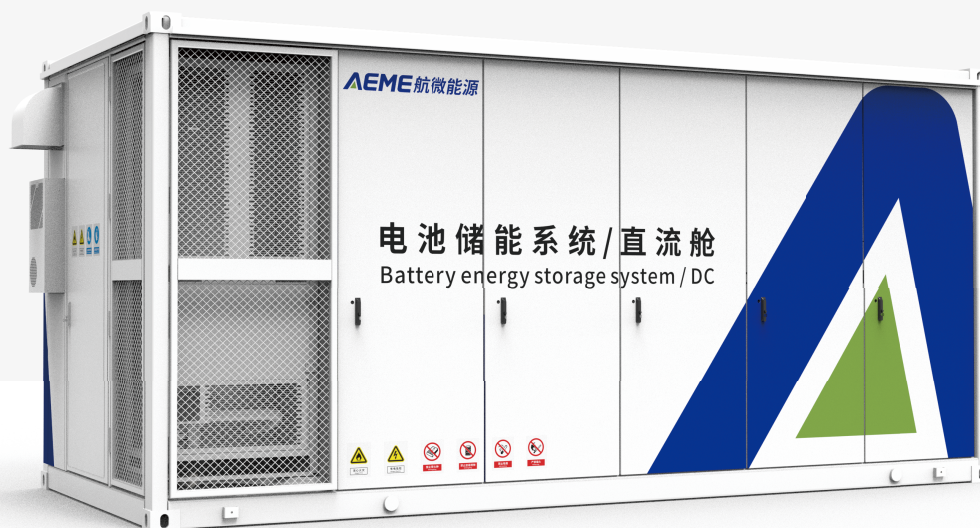


ESS-DC-2500/5000-Y

电池储能系统 (直流舱)

BESS (DC Cabin)



立体保护 / Three-Dimensional Protection

三级BMS系统管理架构

可实现对电池的全方位立体保护

Three-level BMS system management architecture, The omnibearing three-dimensional protection of the battery can be realized.



一体化设计 / Integrated Design

电池系统一体化集成设计

统一的一二次接口可快速配置使用

Integrated design of battery system, Unified primary and secondary interfaces can be quickly configured and used.



安全稳定 / Safe and Stable

采选行业高端电芯

充放电循环次数高达6000次, 自然寿命长达10年

High-end battery core in mining and dressing industry, The number of charge-discharge cycles is up to 6000, and the natural life is up to 10 years.



维护方便 / Easy to Maintain

舱体采用非步入式设计

The cabin adopts non-walk-in design.



热管理系统 / Thermal Management System

专业化热管理系统设计

有效提升电芯使用寿命

Design of professional thermal management system, Fectively improve that service life of the battery cell.



功能强大 / Powerful Function

配合升压一体舱使用可实现削峰填谷、调频、调峰、需求侧响应、微电网应用等

With the use of booster integrated cabin, it can realize peak clipping and valley filling, frequency modulation, peak regulation, demand side response, microgrid application, etc.



安全保障 / Security

配备自动化消防预警

气体灭火系统+水消防系统

Equipped with automatic fire early warning, Gas fire extinguishing system + water fire extinguishing system.



高海拔运行 / High Altitude Operation

最大使用海拔可达5000m

具备成熟的高海拔应用案例

Maximum operating altitude up to 5000m, Mature high-altitude application case.



舱体防护完善 / Improvement of Compartment Protection

配置视频、门禁、漏水检测、环境检测等辅助系统

提高舱体安全防护

It is equipped with auxiliary systems such as video, access control, water leakage detection and environmental detection. Improve cabin safety protection.



产品型号/Product model	ESS-DC-2500/5000-Y
电芯容量/Cell capacity	314Ah
组合方式/Combination mode	2*6P416S
额定能量/Rated energy	5015.96kWh
标称电压/Nominal voltage	1331.2V
运行电压/Operating voltage	1164.8V~1497.6V
充放电倍率/Charge and discharge rate	0.5C
集装箱尺寸/Container size	20尺/20 feet
重量/Weight	≤42T
运行温度/Operating temperature	-40°C~55°C
工作海拔/Operating altitude	≤5000m
温控方式/Temperature control mode	液冷/liquid cooling
消防系统/Fire fighting system	自动化消防预警+气体灭火系统+水消防系统 Automatic fire early warning + gas fire extinguishing system + water fire fighting system
防护等级/Protection degree	IP54
通讯协议/Communication protocol	ModbusRTU/ModbusTCP/IEC 104/IEC 61850
标准/Standard	GB/T36276