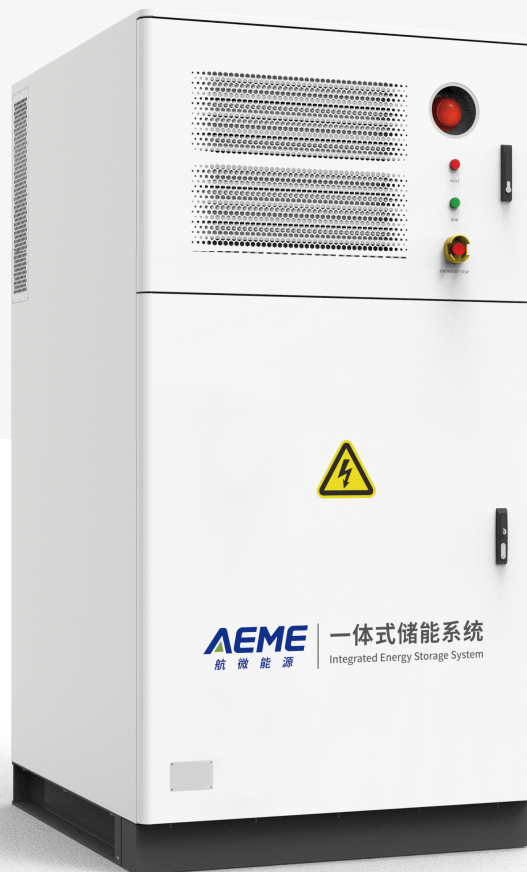


# ESS-SYS-100/215L-Y、100/233L-Y、125/261L-Y

## 静默式储能一体机(液冷)

Silent integrated ESS (liquid cooling)



### 能量密度高 / High Energy Density

占地面积1.68m<sup>2</sup>  
Floor area: 1.68m<sup>2</sup>.



### 安装灵活 / Flexible Installation

一体式设计, 支持肩靠肩、背靠背安装  
One-piece design supports shoulder to shoulder and back to back installation.



### 安全性高 / High Security

BMS+PCS双重监控、急停联动、  
远程停机、主动消防、水消防、防爆泄爆设计  
BMS + PCS dual monitoring, emergency stop linkage,  
remote shutdown, active fire protection, water fire protection,  
explosion-proof and explosion-relief design.



### 低噪音 / Low Noise

超静音PCS、空调内置消音设计,  
噪音<75dB(低配)、<60dB(高配)  
Ultra-quiet PCS, built-in silencing design of air conditioner,  
noise <75dB(low configuration), <60dB(high configuration).



### 高效率 / High Efficiency

系统最高效率>90%, 严苛保温隔热设计,  
高效的PCS转化效率带来更高收益  
Maximum system efficiency > 91%, strict thermal insulation design,  
efficient PCS conversion efficiency brings higher benefits.



### 数字化管理 / Digital Management

3S (BMS、PCS、EMS) + 云, 全生命周期数字化管理  
3S (BMS, PCS, EMS) + cloud, full lifecycle digital management.



产品型号/Product model	ESS-SYS-100/215L-Y	ESS-SYS-100/233L-Y	ESS-SYS-125/261L-Y
电池系统参数/Battery System Parameters			
电池类型/Battery type	磷酸铁锂/Ferrous lithium phosphate		
循环次数/Rated energy	≥6000次 (95%DOD充放,25±2°C,EOL70%)/≥6000 cycles (95% DOD charge-discharge, 25±2°C, EOL 70%)		
放电深度/Depth of discharge	95%DOD		
额定能量/Rated energy	215.04kWh(0.5P,25±2°C)	232.96kWh	261.25kWh
标称电压/Nominal voltage	768V	832V	832V
电压范围/Voltage range	672-864V	728-949V	728-949V
电芯类型/Cell type	LFP 3.2V/280Ah	LFP 3.2V/280Ah	LFP 3.2V/314Ah
电池串并联方式/Battery series-parallel configuration	1P240S	1P260S	1P260S
交流侧参数/AC Side Parameters			
额定功率/Rated power	100kW	125kW	125kW
最大功率/Maximum power	110kW	120kW	137.5kW
最大输出电流/Maximum output current	174A	174A	198A
额定频率/Rated power	50hz/60Hz		
谐波电流/Harmonic current	<3% (额定功率)/<3% (Rated power)		
直流分量/DC component	<0.5% (额定功率)/<0.5% (Rated power)		
功率因数/可调节范围/Power factor / Adjustable range	>0.99 (额定功率时)/1(超前)~1(滞后)/>0.99 (Rated power) /1 (lead) -1 (lag)		
隔离方式/Isolation mode	无变压器/No transformer		
接线方式/Wiring mode	3P+N+PE		
系统参数/System Parameters			
最大综合效率/Maximum comprehensive efficiency	90%	89%	89%
噪音/Noise	<65dB	<65dB	<75dB
系统电压制式/System voltage system	TN-S 400V		
SOE估算精度/SOE estimation accuracy	<5%		
防护等级/Protection degree	IP55		
运行温度/Operating temperature	-30°C~+55°C (>45°C降额) / -30°C~+55°C (>45°C derating)		
运行湿度/Operating voltage	0-95% (无冷凝) /0-95%(no condensation)		
海拔/Altitude	4000m(>2000m降额)/4000m (> 2000m derating)		
消防系统/Fire fighting system	复合探测+气体消防+水消防 Combined detection + Gas fire suppression + Water fire suppression		
早期探测/Early detection	四合一复合探测器 (烟感、温感、一氧化碳、VOC) Four-in-one composite detector (smoke, heat, carbon monoxide, VOC)		
气体灭火介质/Gaseous extinguishing medium	全氟己酮/Perfluorohexanone		
温控系统/Temperature control mode	智能液冷机组/Smart liquid cooling unit		
系统尺寸(宽*高*深)/System dimensions (W * H * D)	1200*2350*1400mm		
重量/Weight	2400kg	2510kg	2540kg
通信接口/Communication interfaces	RS485、CAN、Ethernet、4G		
通信协议/Communication protocols	CAN、Modbus RTU、Modbus TCP、MQTT		