



Anhui Lvwo Energy Technology Co., Ltd.

PRODUCT BROCHURE

绿沃产品手册

Provide Flexible and Effective Energy
Solutions for Global Partners



ABOUT US

安徽绿沃循环能源科技有限公司

安徽绿沃循环能源科技有限公司是一家专业从事研发、生产、销售磷酸铁锂电池，PACK 组件和储能系统的高科技企业。绿沃自主设计并生产的电池包广泛用于家庭储能系统，工商业储能系统，铅改锂，UPS 电源，智能换电站，基站通讯备电，便携电源，太阳能路灯，储能系统等其他重要领域。绿沃全力支持电池组专属定制，精准满足客户的多样化能源需求。

Lwvo Energy Technology Co., Ltd is a high-tech enterprise specializing in the R&D, production, sales of LiFePO4 cells and PACK assembly and energy storage system. Battery Packs produced by Lwvo Energy are widely used in residential energy storage system, commercial and industrial energy storage system, lead-acid replacement, UPS power, intelligent battery swapping stations, communication backup power, portable power supply, solar street light, energy storage system and other essential fields. Our company fully supports the exclusive customization of battery packs for precisely meeting your diverse needs.



1600+



260km²



522+



绿沃能源产业园占地 400 余亩（超过 26 万平方米），产业链涵盖正极材料、负极材料、钢壳、盖帽、隔膜、磷酸铁锂电芯、磷酸铁锂电池 PACK、大数据中心、智能换电柜、BMS、软连接、线束、钣金件、五金，纸箱等，以及与新能源电池相关的运营平台和科研院所。

Lwvo Energy industrial park covers an area of more than 400 acres (over 260,000 square meters). The industry chain includes positive electrode materials, negative electrode materials, steel shells, caps, diaphragms LiFePO4 cells, PACKs, big data centers, charging and switching cabinets, BMS, soft connectors, wiring harnesses, sheet metal cases, as well as operation platforms and scientific research institutes associated with new energy batteries.



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工商业储能解决方案

C&I ESS Solution



▶ 100KW/215KWh, 120KW/233KWh, 125KW/261KWh

绿沃自主研发生产的工商业储能柜集成 PCS 变流器、电池系统、风冷 / 液冷温控系统、BMS (电池管理系统)、EMS (能量管理系统)、柜体防火系统及高压箱等核心模块于一体，内部采用 280Ah 磷酸铁锂电芯或更大容量电芯。产品整体采用模块化设计，支持快速运输、便捷安装及高效运维；同时具备灵活的安装方式，可适应室内外多样化应用场景，搭配高防护等级设计，为用户提供安全可靠、高效便捷的使用体验。

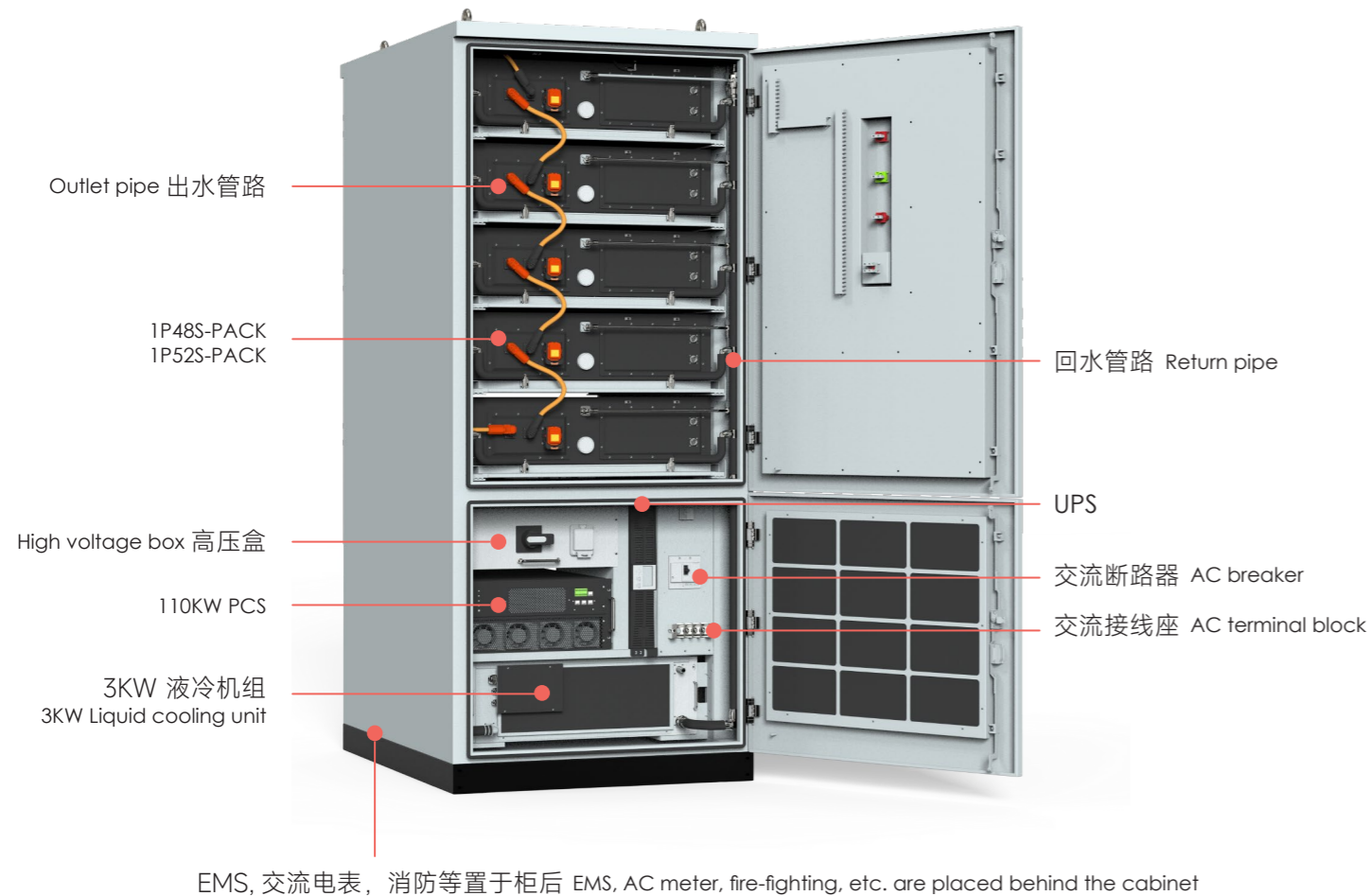
The Lvwo energy storage cabinet is mainly composed of a PCS converter, battery system, cooling system(Air cooling or liquid cooling), BMS, EMS, cabinet fire protection system, high-voltage box, etc. The internal LiFePO4 cells are mainly 280Ah and above. The energy storage cabinet designed and produced by Lvwo adopts a modular design, which is convenient for transportation, operation and maintenance. And the installation method is flexible and can be applied to various environments, bringing users a convenient and comfortable usage experience.



工厂 Factory
 商场 Mall
 工业园区 Industrial Park
 银行 Bank
 削峰填谷 Peak Shaving and Valley Filling

液冷储能 集成设备配置表

Liquid Cooling Energy Storage Integrated Device Configuration List



项目类型 Item	215KWh	233KWh	261KWh
规格 Specifications			
储能一体机 Energy Storage Integrated Machine(1 Set)	100kW /215KWh	110KW/233KWh	125KW/261KWh
PCS变流器 PCS Converter(1 Set)(3P+N+PE Non-isolated)	100kW	110kW	125kW
储能电池系统 Energy Storage Battery System (1 Set)	215KWh(1P240S)	233KWh(1P260S)	261KWh(1P260S)
液冷机 Liquid-Cooler(1 Set)		3.2kW	
BMS and EMS		1 Set	
柜消防系统 Cabinet Firefighting System		全氟己酮 Perfluorohexanone	
系统组成部分 System Components		电池系统由5个标准电池模块组成, 规格1P240S 5 Standard Battery Modules with Specification 1P240S	
尺寸 Dimension(mm)		965(W)*1300(D)*2290(H)	
额定容量 Nominal Capacity		280Ah@0.5C,25°C	314Ah@0.5C,25°C
额定电压 Nominal Voltage	768V(240 cells)	832V(260 cells)	832V(260 cells)
工作电压范围 Operating Voltage Range	600V ~ 876V	650V ~ 949V	650V ~ 949V
持续充电倍率 Continuous Charging Rate		0.5C@25°C	
持续放电倍率 Continuous Discharging Rate		0.5C@25°C	
循环寿命 Cycle Life		≥ 8000 Times (0.5C@25°C,70%SOC)	
重量 Weight		2430Kg	2665Kg
能量 Energy	215kWh	233kWh	261kWh
绝缘标准 Insulation Standards		电池箱绝缘电阻≥200MΩ(1000VDC) Battery Box Insulation Resistance≥200MΩ(1000V DC)	
耐压标准 Voltage Resistance Standard		2830V DC, 无击穿现象, 漏电流 < 20mA 2830V DC, No breakdown phenomenon, Leakage current<20mA	

STS 系统、并网箱/柜、不含项目电缆 SIS System, Grid-connected Box/Cabinet, Project Cable Not Included

体验深循环电池无与伦比的耐用性、安全性与灵活性 —— 绿沃是您实现可持续高效储能的理想伙伴!

Experience unparalleled durability, safety, and flexibility with the deep cycle batteries. Your perfect partner for sustainable, high efficiency energy storage.



One-Stop Solutions
Worldwide Collaboration
Become Our Partner and Unlock Endless Possibilities



Official Website
lwo-energy.com