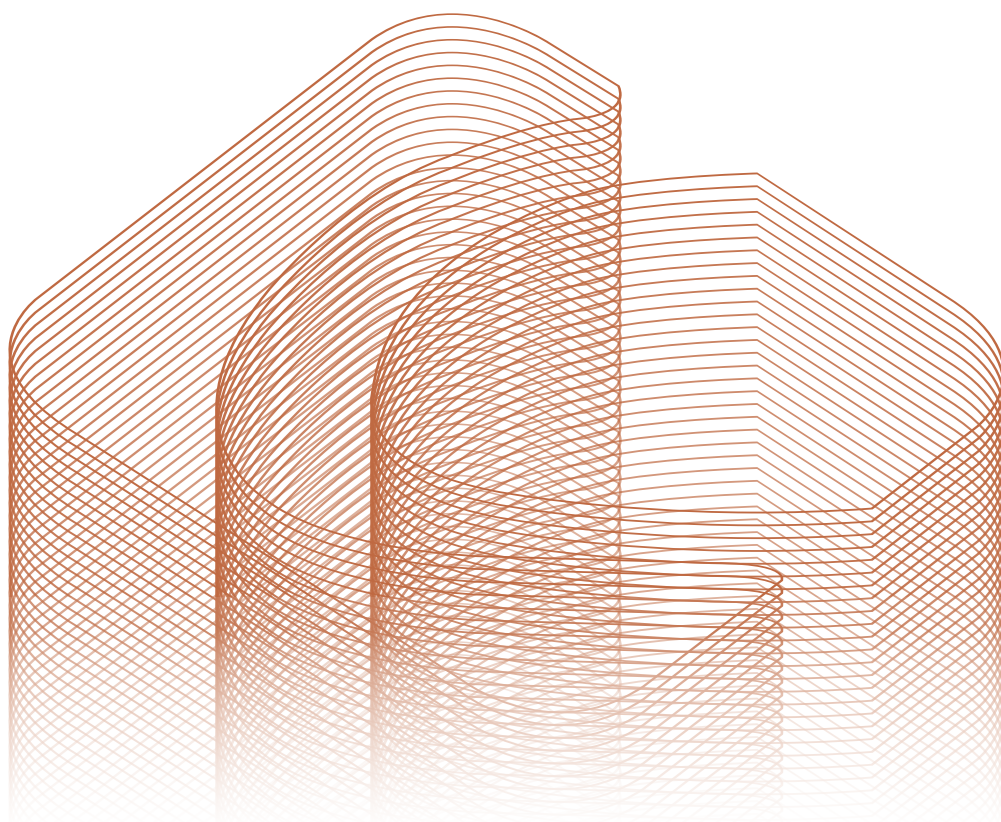




光储柴发电机

INTEGRATED SOLAR-STORAGE-
DIESEL GENERATORS

20KW 45kWh



产品外观 >>>

Appearance



光储柴发电机是一种将光伏发电、储能系统与柴油发电机相结合的混合发电系统，旨在实现高效、可靠、节能的供电解决方案。它特别适合在电网不稳定、无电网覆盖或对供电连续性要求高的场景中使用。

The photovoltaic storage diesel generator is a hybrid power generation system that combines photovoltaic power generation, energy storage systems and diesel generators, aiming to achieve an efficient, reliable and energy-saving power supply solution. It is particularly suitable for use in scenarios where the power grid is unstable, there is no grid coverage, or there is a high requirement for power supply continuity.



45kWh
大容量

Large Capacity

6000
长寿命

Long Cycle Life

2.7t
运输便捷

Easy to Transport

20kW
24h不间断电源

24-hour uninterruptible
power supply

<5°C
智能温控

Intelligent Temp
Control

30kW
光伏扩展

Solar Extendable

产品特点 >>>

Product Features

1 一体化设计, 省心省力

Integrated design, worry-free and effortless

光伏、储能、发电机预先在工厂完成集成与调试, 无需现场复杂组装。您得到的是一台开箱即用、无缝协作的完整产品, 极大节省了安装时间与成本。

The PV system, energy storage unit, and generator are pre-integrated and tested at the factory, eliminating the need for complex on-site assembly. What you receive is a complete, out-of-the-box product with seamless collaboration, significantly saving installation time and costs.

2 智能调度, 油耗直降

Smart Power Cuts Fuel Costs

内置智能能量管理系统 (EMS), 严格遵循“光伏优先 → 储能放电 → 发电机智能补电”的次序。最大化利用免费太阳能, 显著减少柴油发电机的运行时间与燃料消耗, 直接降低运营成本和碳排放。

The product is designed for easy mobility and can be rapidly transported to any site requiring electricity. With automatically deploying rooftop solar panels, it begins generating power immediately upon arrival—perfectly suited for temporary, mobile, and emergency power supply needs.

3 即拖即走, 电力随行

Effortless Mobility, Continuous Power

产品便于移动, 可快速转运至任何需要电力的地点。顶部光伏板自动展开, 到达现场后即可快速发电, 完美满足临时性、移动性或紧急性的用电需求。

The product is easy to move and can be quickly transported to any location that requires electricity. The top photovoltaic panels automatically unfold and can generate electricity quickly upon arrival at the site, perfectly meeting temporary, mobile or urgent power demands.

④ 全方位保护, 用电无忧

All-round protection, worry-free electricity usage

集成先进的BMS(电池管理系统)和发电机控制系统, 具备过充/过放、过载、短路、温度保护等多重安全机制。即使在恶劣环境下, 也能确保系统稳定运行和人员设备安全。

It integrates an advanced BMS (Battery Management System) and generator control system, featuring multiple safety mechanisms such as overcharge/overdischarge, overload, short circuit, and temperature protection. Even in harsh environments, it can ensure the stable operation of the system and the safety of personnel and equipment.

⑤ 完全脱离电网, 自成体系

Completely independent of the power grid and self-contained

完全独立于公共电网运行, 是偏远地区、孤岛或电网薄弱区域的理想选择。自成一套微电网系统, 为您提供完全自主控制的稳定电源。

It operates completely independently of the public power grid and is an ideal choice for remote areas, isolated islands or regions with weak power grids. It forms an independent microgrid system, providing you with a fully autonomous and stable power supply.



规格参数 >>>

Specification

型号/Model

光储柴/Photovoltaic storage diesel

光伏参数/Photovoltaic parameters

单个组件尺寸 Individual component size	2382mm*1134mm
组件数量/Component quantity	6PCS
组件重量/Component weight	211kg
组件类型/Component type	N
收起/展开尺寸 Collapse/Expand size	4860mm*1160mm/4860mm*3430mm
最大功率/Maximum power	3.7kW
组件效率/Component efficiency	23.3%
自动展开/收起时间 Auto-expand/collapse time	20s
最大静态负载/Maximum static load	5.4kg

电池参数/Battery parameters

电池类型/Battery type	磷酸铁锂电池/Lithium iron phosphate battery
额定电池容量 Rated battery capacity	45kWh
额定充电功率/Rated charging power	20kW
额定放电功率/Rated discharge power	20kW
输出电压/Output voltage	3/N/PE, 220/380V, 230/400V
充放电倍率/Charge and discharge rate	0.5C
放电深度DOD/Depth of discharge	90%
循环寿命/Cycle life	≥4000 cycle 0.5P@25°/25°,80%DOD

型号/Model

光储柴/Photovoltaic storage diesel

柴油发电机组参数/Parameters of diesel generator

额定输出功率/Rated output power	20kW
燃油类型/Fuel type	0#柴油/Diesel
发动机类型/Engine type	柴油发动机/Diesel engine
电压/Voltage	230V/400V
频率/Frequency	50Hz
油箱容积/Fuel tank capacity	180L
燃油消耗率/Fuel consumption rate	3.7L/h
排量/Displacement	3.9L
尺寸/Dimension	3500mm*1500mm*1200mm
重量/Weight	2.4吨/2.4 tons
噪音水平 (dB(A) @7米) Noise level (dB(A) @7 meters)	75dB/75dB

整机特性/Overall machine characteristics

外观尺寸/Appearance dimensions	3650mm*1500mm*2050mm
重量/Weight	2.7吨/2.7 tons
移动方式 (如:拖挂式) Movement method (e.g., drag-and-drop type)	可加装拖运/It can be equipped with towing
防护等级/Protection grade	IP54
排放标准/Emission standard	中国III阶段(国三)/China Stage III (National Grade III)
工作温度范围/Operating temperature range	-30°C-55°C
智能监控 (如:APP/云平台) Intelligent monitoring (such as: APP/cloud platform)	监控云平台/Monitoring cloud platform



公众号
WeChat Official Account



抖音
Tiktok



视频号
WeChat Video Account

安徽勒泽特科技有限公司

 地址：合肥市包河区智能网联汽车产业园
A1栋一楼整层智能制造中心
A2栋四楼整层研发中试中心
B2栋四楼整层运营管理中心

 电话：0551- 65589156

 邮箱：lezet@lezet.cn

Anhui Lezet Technology Co., Ltd

Address: Intelligent Connected Vehicle Industrial Park, Baohe District, Hefei City

Block A1 1F: Full-floor Intelligent Manufacturing Center

Block A2 4F: Full-floor R&D Pilot Test Center

Block B2 4F: Full-floor Operation & Management Center

Phone: 0551- 65589156

Email: lezet@lezet.cn