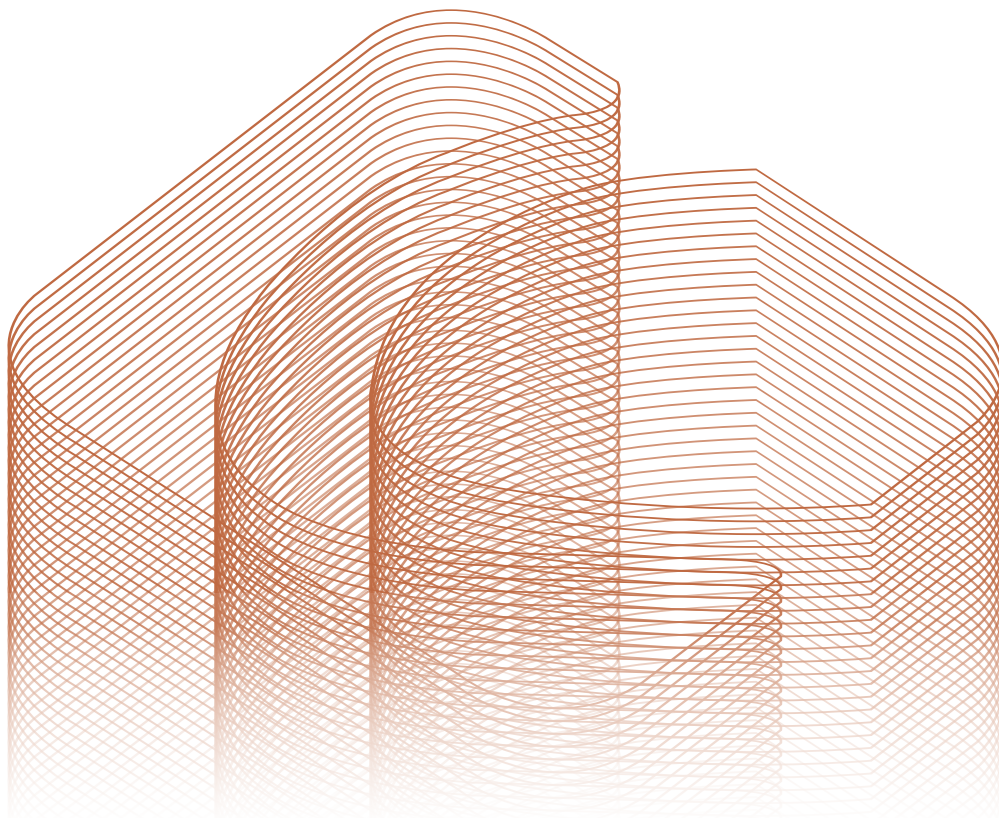


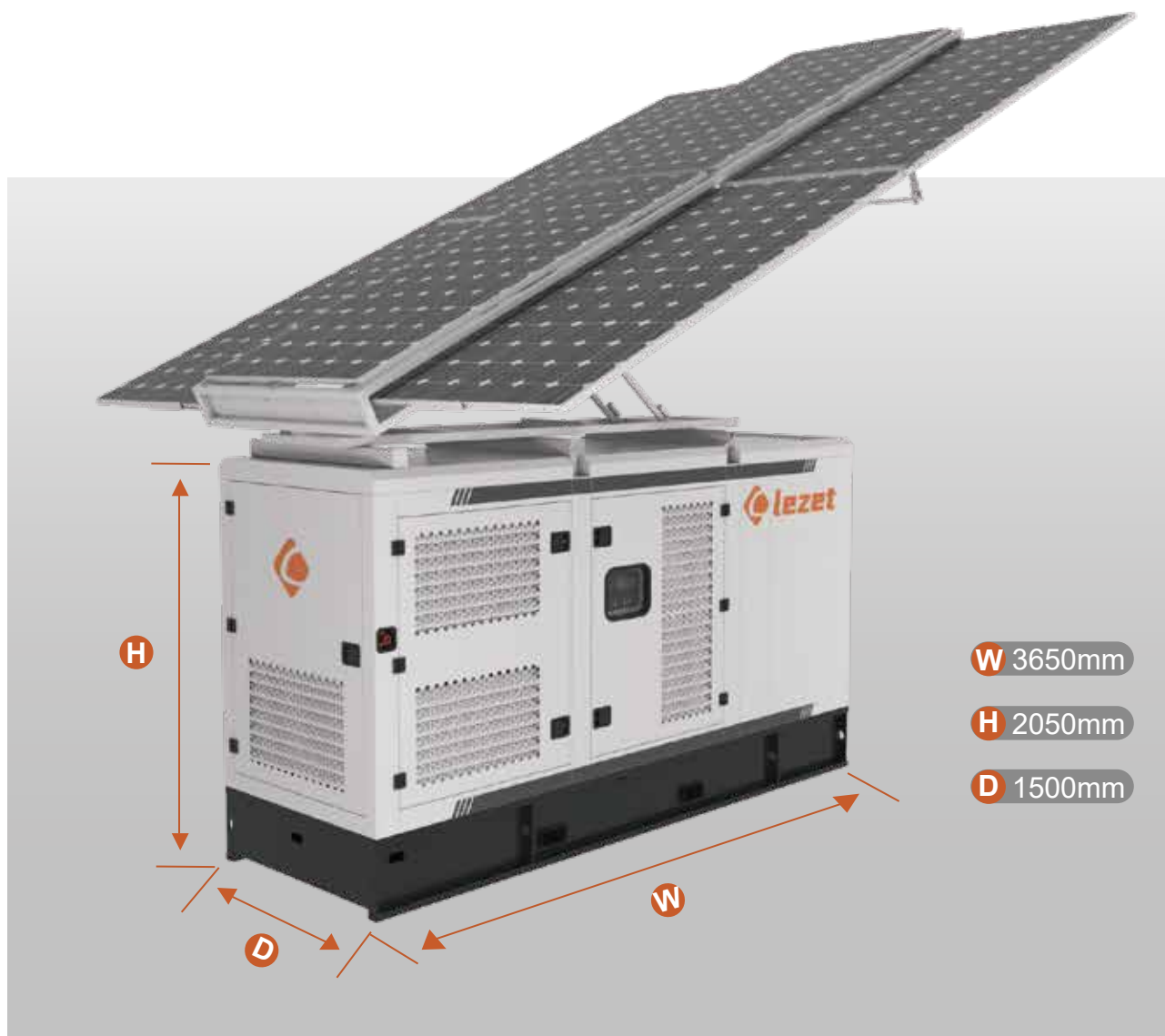


INTEGRATED SOLAR- STORAGE-DIESEL GENERATORS

20KW 45kWh



Appearance >>>



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

Large Capacity

6000

Long Cycle Life

2.7t

Easy to Transport

20kW

Uninterrupted
Power Supply (UPS)

<5°C

Intelligent Temp
Control

30kW

Easy to Transport

Product Features >>>

1 Integrated design, worry-free and effortless

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 Smart Power Cuts Fuel Costs

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 Effortless Mobility, Continuous Power

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 All-round protection, worry-free electricity usage

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 Completely independent of the power grid and self-contained

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.



Specification >>>

Model

Photovoltaic storage diesel

Photovoltaic parameters

Individual component size	2382mm*1134mm
Component quantity	6PCS
Component weight	211kg
Component type	N
Collapse/Expand size	4860mm*1160mm/4860mm*3430mm
Maximum power	3.7kW
Component efficiency	23.3%
Auto-expand/collapse time	20s
Maximum static load	5.4kg

Battery parameters

Battery type	Lithium iron phosphate battery
Rated battery capacity	45kWh
Rated charging power	20kW
Rated discharge power	20kW
Output voltage	3/N/PE, 220/380V, 230/400V
Charge and discharge rate	0.5C
Depth of discharge	90%
Cycle life	≥4000 cycle 0.5P@25°/25°,80%DOD



Model	Photovoltaic storage diesel
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Parameters of diesel generator	
Rated output power	20kW
Fuel type	Diesel
Engine type	Diesel engine
Voltage	230V/400V
Frequency	50Hz
Fuel tank capacity	180L
Fuel consumption rate	3.7L/h
Displacement	3.9L
Dimension	3500mm*1500mm*1200mm
Weight	2.4 tons
Noise level (dB(A) @7 meters)	75dB/75dB
Overall machine characteristics	
Appearance dimensions	3650mm*1500mm*2050mm
Weight	2.7 tons
Movement method (e.g., drag-and-drop type	It can be equipped with towing
Protection grade	IP54
Emission standard	China Stage III (National Grade III)
Operating temperature range	-30°C-55°C
Intelligent monitoring (APP/cloud platform)	Monitoring cloud platform



WeChat Official Account



Tiktok



WeChat Video Account

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