ENERGY STORAGE

MODULAR, SCALEABLE ENERGY STORAGE



ALSES 25-32 ALL-IN-1 + SOLAR KIT

Energy Storage With Adaptive Immersion Technology

ANODOX ENERGY SYSTEMS RESISTANT

ANODOX ENERGY SYSTEMS IMMERSION

APPLICATIONS / USAGE:

STATIONARY ENERGY SYSTEMS

AVAILABLE VERSIONS:

- ALSES 5kWh – 25KW PASSIVE + SOLAR KIT
- ALSES 16kWh – 32KWh PASSIVE + SOLAR KIT

PRODUCT DESCRIPTION

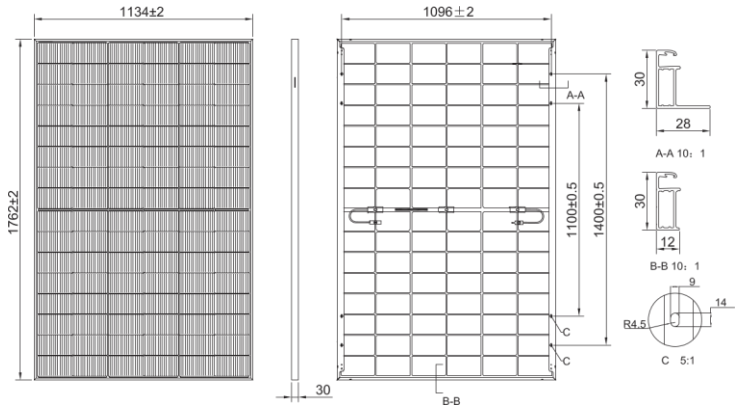
The Anodox Energy Storage ALSES 25-32 delivers up to 32kWh of reliable power, proudly Made in Europe for uncompromising quality. Design to fit both Anodox 5kWh and 16kWh Modules. For ultimate flexibility, our system features a high-performance hybrid inverter and can be customized with either passive or active cooling to suit your environment. Whether you need a standalone storage solution or a complete package with integrated solar PV panels, Anodox provides the smart, scalable bridge to a sustainable future.

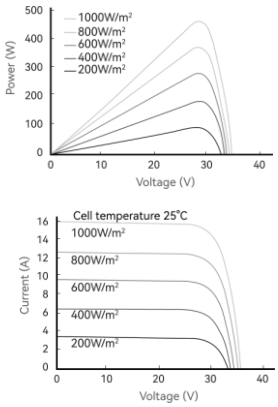
TECHNICAL DATASHEET

TECHNICAL DATA	ALSES 25-32kWh
Rated Energy (kWh)	16-32kWh (Using 16kWh Modules 20-25kWh (Using 5kWh Modules
Module Configuration	16S1P – 314Ah Cells 16S1P – 102Ah Cells
Module Quantity	Up to 2 - 16kWh Modules
	Up to 5 - 5kWh Modules
Available Inverter	5-10kW (Optional 15kW Inverter)
Adaptive Immersion Technology	Passive Immerison with Optional Active Immersion Cooling
With Passive Cooling – Energy Capacity	Up to 32kWh (Using 16kWh Modules)
	Up to 25kWh (Using 5kWh Modules
With Active Cooling – Energy Capacity	Up to 16kWh (Using 16kWh Modules)
	Up to 20kWh (Using 5kWh Modules
Temperature	0-50°C (Charge) -20-50°C (Discharge)
Weight	Up to 300Kg
Dimensions (mm)	570 x 820 x 1100 (1200)
Recommended SOC Range	20-80%
Cell Chemistry	Lithium Iron Phosphate (LFP)
Cycles	>6000 (@1C)
Inverter	Hybrid
Charge / Discharge C-Rates (Peak)	0.5C / 1C

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ADD-ON SOLAR KIT





High Module Conversion
MBB Half Cell Technology, Module efficiency up to 23.02%

Withstanding Harsh Environments
Reliable quality leads to better sustainability even in harsh environments like deserts, farms and coastlines.

Extended Wind and Snow Load Tests
Module certfied to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)

Excellence Weak Light Performance
More Power output in weak light condition, such as cloudy, morning and sunsets.

PID Resistance
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

PRODUCT SPECIFICATIONS

	Model	Solar Cell
Mechanical Specification	Cell Type	N-Type Topcon
	Cell Arrangement	96 (6*16)
	Weight	24.5kg
	Module Dimensions	1762±2*1134±2*30mm
	Cable length	+400mm, -200mm or ± 1200mm, length can be customized
	Cable Cross Section Size	TUV: 4mm2 (0.006inches2)/UL: 12AWG
	Front Glass	2.0mm high transmittance, AR coated tempered Glass
	Rear Glass	2.0mm high transmittance, coated tempered Glass
	No. Of Bypass Diodes	3
	Packing Configuration	36pcs/carton, 936pcs/40hq
	Frame	Anodized Aluminium alloy black frame
	Junction Box	IP68
Operating Conditions	Maximum System Voltage	1500V DC
	Operating Temperature	40°C~ +85°C
	Maximum Series Fuse	30A
	Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
	Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2
	Safety Class	II
	Backside Output Ratio *Under STC: Backside Output Ratio	80%±10%
Temperature Coefficient	Temp Coefficient Pmax	-0.28%/°C
	Temp Coefficient Voc	-0.24%/°C
	Temp Coefficient Isc	+0.046%/°C
	NMOT	45±2°C

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