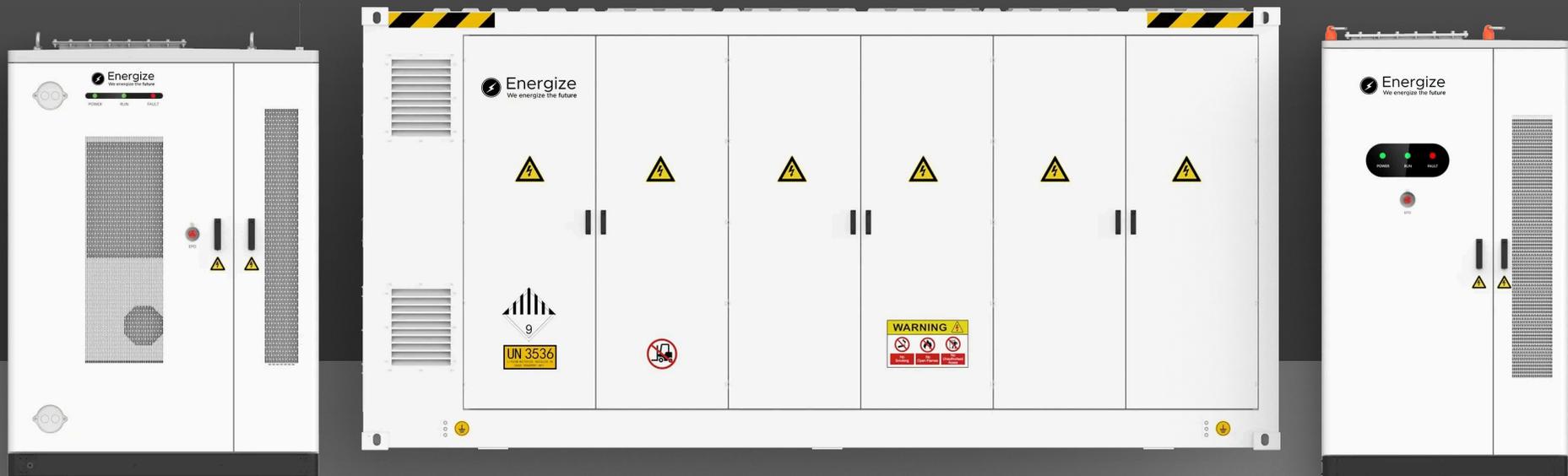


ENERGIZE *StorageCell*

We energize the future



We energize the future

About ENERGIZE

ENERGIZE is a company that is a pioneer and leader in the field of building turnkey solar photovoltaic power plants in Serbia.

Since our founding in 2012, we have achieved:

- **90+ MWp** of installed photovoltaic power plants
- **40+ MWh** of storage solutions
- **250,000+** photovoltaic modules
- **1,500+** inverter units
- **60,000+** battery blocks
- **500,000+** low-voltage equipment units
- **300+** production process protection systems
- **200+** solar LED lighting locations
- **150+** functional facilities

We treat every investment as our own, evaluating each project using the Total Cost of Ownership (TCO) principle as a mandatory part of the assessment, with an operational horizon of 30+ years.

We provide our clients with the highest quality equipment and services, specialized engineering expertise, and the best warranty coverage available on the market.



Contents

Energize *StorageCell* is an advanced battery energy storage system (BESS) designed to provide energy flexibility, grid stability, and sustainable power management.

Suitable for both on-grid and off-grid use, it integrates with renewables and supports peak shaving, load shifting, backup power, and energy optimization across industrial, commercial, and utility-scale projects.

StorageCell

ENERGIZE *PowerNest* 241 ACOC BESS

ENERGIZE *PowerNest* 261 LCOC BESS

ENERGIZE *PowerCore* 1672-3344 LCCB BESS

All-In-One Air Cooling
Outdoor Cabinet BESS

ENERGIZE *PowerNest* 241 ACOC BESS

*AIO: The Battery And PCS Are Integrated In An All-In-One System

Product Advantages



Easy Scalability

Up to MWh - level capacity



Active Balancing BMS

Maximizes usable capacity & Extends battery life



Highly Integrated

All-in-one design integrated with battery and PCS

Aerosol

Smoke Detector

PMS

HVAC

Water Leakage Detector

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HV Control Box (Battery Protection Unit)

PCS

Battery Module

MSD



ENERGIZE *PowerNest* 241 ACOC BESS

All-In-One Air Cooling
Outdoor Cabinet BESS

ENERGIZE *PowerNest* 241 ACOC BESS

AC Parameters	Rated Power	105 kW
	Maximum Power	115.5 kW
	Grid Type	3P+N+PE
	Rated Grid Voltage	400 V
	Grid Frequency	50 / 60 Hz
	EMC & Safety Standards	IEC/EN 62477, EN/IEC 61000
	Grid Connection Standards	EN 50549-1/ -2, G99, VDE 4105, NRS 097, C10/11, NTS 631, VDE 4110
	DC Parameters	Rated Voltage
Voltage Range		672 ~ 864 V
Rated Energy		241 kWh
Battery Cell		LFP 314 Ah
Other Parameters	Degree of Protection	IP 55
	Operation Temperature	-30 ~ 55 C (>45 C Derating)
	Storage Temperature	-20 ~ 60 C
	Altitude	2000 M (>2000m Derating)
	Relative Humidity	5 ~ 95% (No Condensing)
	Cooling Method	Air Cooling
	Fire Suppression System	Smoke & Gas Detectors, Aerosol, Vent Valve, Explosion Relief Panel, Water Sprinkler
	Communication	MODBUS
	Dimensions (W x D x H)	1600 X 1040 X 2255 MM
Weight	2600 KG	

Liquid Cooling
Outdoor Cabinet ESS

ENERGIZE *PowerNest* 261 LCOC BESS

Product Advantages



Industry-leading Active Balancing MBS
Maximizes usable capacity & Extends battery life



-30°C to 50°C Operation Temperature
Can be installed in harsh conditions (extreme heat/cold)



Suitable for Small-size C&I Scenarios

CO Detector

H Detector

HMI

Dehumidifier

Water Leakage Detector

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Liquid Cooled Chiller

HV Control Box (Battery Protection Unit)



ENERGIZE *PowerNest* 261 LCOC BESS

Liquid Cooling
Outdoor Cabinet ESS

ENERGIZE *PowerNest* 261 LCOC BESS

DC Parameters	Rated Power	832 kW
	Voltage Range	728 ~ 936 V
	Rated Energy	261.245 kWh
	Charge / Discharge Rate	0.5P / 0.5P
	Battery Cell	LFP 314 Ah
	Degree of Protection	IP 55
Other Parameters	Operation Temperature	-30 ~ 55 C
	Storage Temperature	-20 ~ 60 C
	Altitude	2000 m (>2000m derating)
	Relative Humidity	5 ~ 95% (No condensing)
	Cooling Method	Liquid Cooling
	Fire Suppression System	Aerosol
	Communication	MODBUS
	Dimensions (W x D x H)	1350 X 1300 X 2057 mm
	Weight	2550 KG
Certifications	EN IEC 61000, EN 62477, IEC 62477, IEC62619, UN38.3	

All-In-One Liquid Cooling Container ESS

ENERGIZE *PowerCore* 1672-3344 LCCB BESS

*AIO: All-In-One Design Integrates Battery & PCS

Product Advantages



TIER-1 LFP Cells

Sourcing from renowned cell suppliers to ensure cell consistency



Intelligent Liquid Cooling

Cell temperature difference $\leq 3^{\circ}\text{C}$ across the container



Active Balancing BMS

Maximizes usable capacity and extends battery life & performance



800 V AC Output

Connects directly to PV inverters, reducing conversion losses



-30 C to 50 C Operation Temperature

Can be installed in harsh conditions (extreme cold/heat)



www.energize.rs



ENERGIZE *PowerCore*

1672-3344 LCCB BESS

All-In-One Liquid
Cooling Container ESS

Model	800 kW / 1672 kWh	1000 kW / 2090 kWh	1200 kW / 2508 kWh	1400 kW / 2926 kWh	1600 kW / 3344 kWh
DC Parameters					
Battery Cell	LFP 3.2 V / 314 Ah				
Nominal Capacity	1672 kWh	2090 kWh	2508 kWh	2926 kWh	3344 kWh
Voltage Range	1164.8 ~ 1496.7 V				
AC Parameters					
Nominal AC Power	800 kWh	1000 kWh	1200 kWh	1400 kWh	1600 kWh
AC Current Distortion Rate	< 3%				
Nominal AC Voltage	800 V				
AC Voltage Range	704 ~ 880 V				
Power Factor	- 1.0 ~ 1.0				
Nominal Frequency	50 / 60 Hz				
Standard	VDE 4110&4120, NTS2.1, UNE 217001, UNE217002, IEEE1547, EN 50549-2				
General Parameters					
Dimensions (W x D x H)	6058 x 2438 x 2896 mm				
Weight (ARO)	26.5 t	29 t	31.5 t	34 t	36.5 t
Protection Level	IP 55				
Anti-Corrosion Level	C4 / C5 (optional)				
Operation Temperature	-30 ~ 55°C (derating from 45°C)				
Storage Temperature	-30 ~ 60°C				
Attitude	< 2000m without derating				
Cooling Method	Liquid Cooling				
Communication	MODBUS				
Standard	CE-EMC, CE-LVD, IEC 62619, UN38.3				

Energy Storage System



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If the models and specification in this product catalogue is changed due to the change of products, we will not inform.