

⚡ We create possibilities



## Teaser of the project Ekokray SPP, Ukraine

Design and construction of the Solar power plant, SPP (installed power capacity 4.39MW) with Battery energy storage system, BESS (3.45MW/10.03MWh).

Forecast of the annual production of “green” electricity 5 487MWh

March 2026

# Concept of the project “Ekokray SPP” with BESS



## Ekokray, SPP: main parameters of the projects

Area: 4,6 Ha

PV-modules: 6 752 pcs.

Installed power: 4 389 kWp

PV-inverters: – 24 pcs.

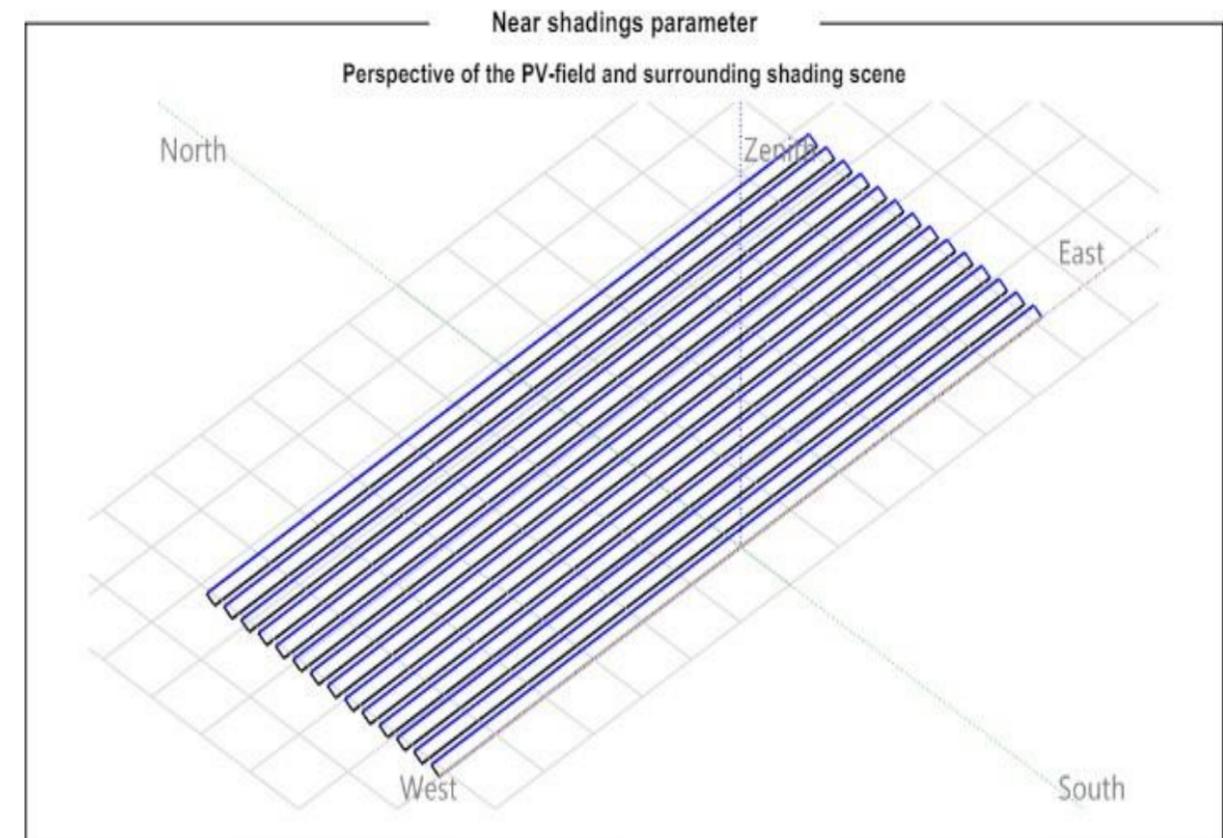
Inverter power: 3 600 kW

BESS capacity: 10 030 kWh

Produced Energy, forecast: 5 487 MWh/year

Financial indicators of the project\*:

- NPV: 7.86 mln EUR/9.2 mln USD
- IRR: 15.9 %
- PP: 6.9 years
- DPP: 10.4 years

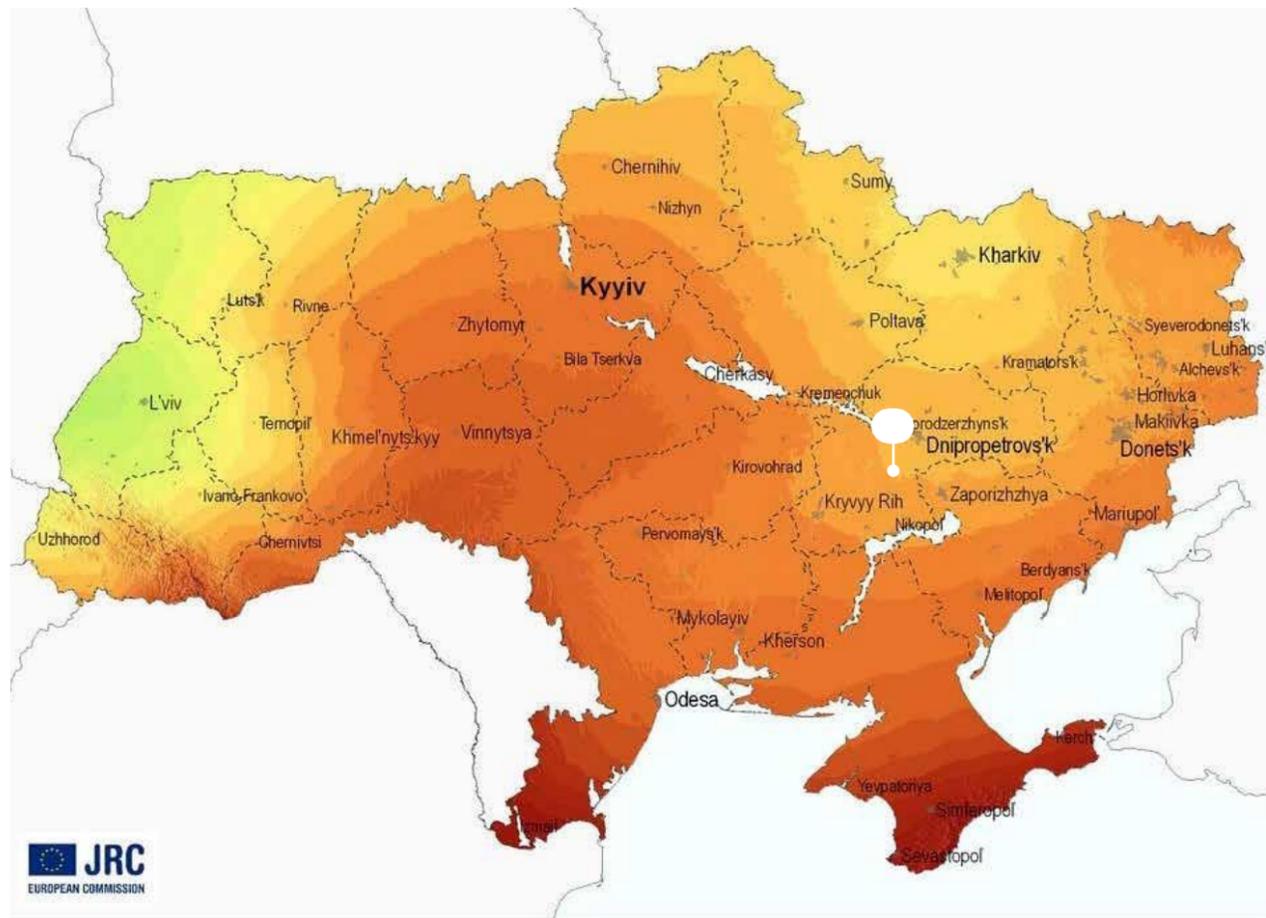


**Total investment (est):  
4.142 mln EUR/4.848 mln USD**

\* Calculations based on conservative electricity price scenario

# Technical Indicators

Global irradiation and solar electricity potential of the location



## Location

GPS:  
48.053067,  
33.873828

Dnipro region,  
Sofiyivskiy district  
Sofiyivska s/r

4,6 Ha

## Land Plot

Rent (for 39 years),  
all documents  
provided

# Producing Indicators (PVsyst V8.0.20)



**PVsyst V8.0.20**

VCA, Simulation date:  
24/02/26 16:22  
with V8.0.20

Project: 744LG\_1\_Sofiyivka

Variant: Goodwe150\_Longi650

Helios Strategia (Ukraine)

## Main results

### System Production

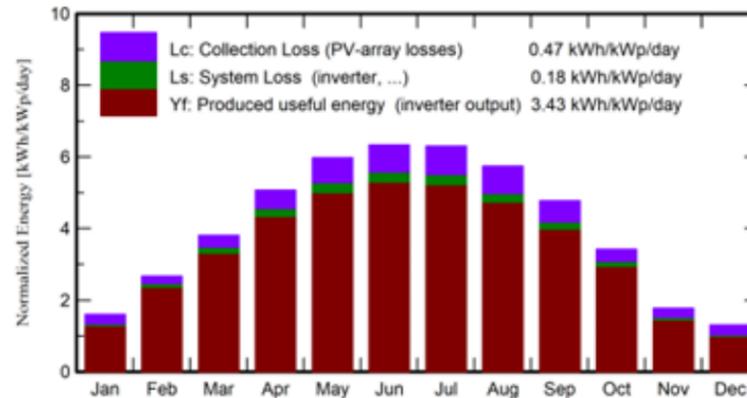
Produced Energy 5486.9 MWh/year

Specific production 1250 kWh/kWp/year

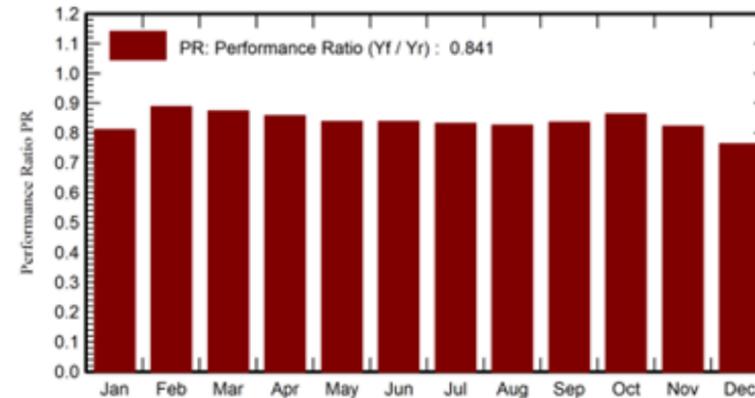
Perf. Ratio PR 84.12 %

Bifacial perf. ratio 80.60 %

### Normalized productions (per installed kWp)



### Performance Ratio PR



## Balances and main results

	GlobHor kWh/m <sup>2</sup>	DiffHor kWh/m <sup>2</sup>	T_Amb °C	GlobInc kWh/m <sup>2</sup>	GlobEff kWh/m <sup>2</sup>	EArray MWh	E_Grid MWh	PR ratio	PRBifi ratio
January	30.4	19.40	-3.55	49.5	41.9	183.4	176.1	0.811	0.791
February	50.3	28.10	-2.56	74.6	69.5	304.4	291.1	0.889	0.862
March	94.4	50.20	2.83	118.0	111.1	475.7	452.4	0.873	0.840
April	133.1	69.70	10.30	152.1	142.9	602.1	572.5	0.857	0.822
May	177.8	75.00	17.09	185.4	174.6	719.8	682.1	0.838	0.798
June	190.7	75.00	20.43	189.9	178.8	736.2	698.5	0.838	0.793
July	192.6	82.80	23.15	195.2	183.7	750.4	712.7	0.832	0.789
August	162.7	74.60	22.83	178.1	167.5	679.3	645.8	0.826	0.790
September	117.2	53.80	16.18	143.2	134.9	553.0	525.0	0.835	0.804
October	72.8	35.70	9.23	106.1	99.7	421.1	402.2	0.864	0.836
November	33.8	20.30	3.48	53.4	47.0	201.2	192.4	0.822	0.802
December	24.3	15.80	-0.90	40.6	32.7	142.2	136.1	0.764	0.746
Year	1280.1	600.39	9.95	1486.2	1384.3	5768.8	5486.9	0.841	0.806



# Contact us to discuss our cooperation

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