COSSACK ENERGY

Ukraine · Solar and storage · Mykolaiv region

«Voronivka-1» Solar + Storage

22 MW + 88 MWh

About the project

An industrial energy project — a solar power plant with battery storage — on a plot designated as energy lands in the Voznesensk district, Mykolaiv region.

Storage works together with generation: it shifts daytime output into the evening hours, when energy is most expensive in the system, and turns weather-dependent output into dispatchable capacity.

Project brief

Technology	**Solar PV + battery storage**
Capacity	**22 MW**
Storage capacity	**88 MWh**
Voltage level	**35 kV**
Connection point	**«Taborivka» substation, Mykolaivoblenergo**
Distance to substation	**1,500 m**
Plot area	**42.3465 ha**
Designation	**14.01 — energy lands**
Location	**Voznesensk, Mykolaiv region**
Coordinates	**47.675852°, 031.351867°**

Development status

- Plot identified, designated 14.01 — energy lands
- Lease agreement to be signed within 2.5 months
- Grid connection conditions — 15 days after the lease is signed

Resource and yield

- Estimated annual PV output — 26.990 GWh
- Global tilted irradiation at optimum angle — 1,503.1 kWh/m² per year
- Optimum module tilt — 36°, azimuth 180°
- Source: Global Solar Atlas, report dated 06 Jan 2026

Grid connection

- Connection point — «Taborivka» substation, Mykolaivoblenergo
- Distance to substation — 1,500 m
- Voltage level — 35 kV