

«Stepove-3» Solar + Storage

12 MW + 48 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	12 MW
Storage capacity	48 MWh
Voltage level	35 kV
Connection point	150 kV OHL, Mykolaivoblenergo
Distance to substation	10,000 m
Plot area	19.38 ha
Designation	14.01 — energy lands
Location	Voznesensk, Mykolaiv region
Coordinates	47.591023°, 031.480581°

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 — 14.837 GWh
- Global tilted irradiation at optimum angle — 1,513.6 kWh/m² per year
- Optimum module tilt — 36°, azimuth 180°
- Source: Global Solar Atlas, report dated 06 Jan 2026

Grid connection

- Connection point — 150 kV OHL, Mykolaivoblenergo
- Distance to substation — 10,000 m
- Voltage level — 35 kV