Wind–PV hybridisation

Needs confirmation

The shared-grid energy case is calculated; measured wind, micrositing, ecology and connection studies remain open.

2,4 MW
Wind capacity
Synthetic inputs

7 248,9 MWh/year
Wind after grid constraints
Synthetic inputs

620,1 MWh/year
Wind curtailed by the shared limit
Synthetic inputs

Not a financing approval. All figures come from the frozen synthetic sample.

Visual site reference - illustrative, not surveyed

Separate from the frozen synthetic calculation. Not a route survey or cadastral extract.

Wind example - DEMO parcels



Generated landscape. Routes, consumer and equipment are illustrative. No measured scale.

842/3 - turbine T-02 footprint; 843/2 - cable crossing; 845/1 - access road. All DEMO.

Verify cadastral area, parcel boundaries, turbine positions and land rights before using these concepts.

OWNER DECISION REPORT

Wind–PV hybridisation

English report copy · figures retain the CZ edition's CZK convention.

HYBRID OUTPUT CALCULATED · SITE EVIDENCE REQUIRED

A synthetic site boundary and assumed wind speed demonstrate the screen, not a permitted turbine location.

Decision metrics

Metric	Result	Basis
Wind capacity	2,4 MW	Synthetic inputs
Wind after grid constraints	7 248,9 MWh/year	Synthetic inputs
Wind curtailed by the shared limit	620,1 MWh/year	Synthetic inputs
Investment allowance	93 281 280 Kč	Synthetic inputs

What this scenario establishes

An annual model is included in this calculation. Its tax basis and assumptions must be reviewed before use.

Modelled hybrid output does not establish a turbine position, measured wind resource or a shared-connection approval.

Illustrative inputs

- Synthetic 4 MWp plant: 16,000 modules × 250 Wp.
- 4,400 MWh/year generation and 8 ha site area are illustrative inputs.
- No grid import agreement, customer contract or surveyed layout is supplied.

Evidence needed next

- Validate the wind resource and manufacturer power curve.
- Review dwelling setbacks, noise, ecology and land access.
- Confirm shared-grid and electrical interface feasibility.

Engineering handoff

CONCEPT PACKAGE · ENGINEER VERIFICATION REQUIRED

The sample package contains a functional concept SLD built from explicit synthetic assumptions. It is editable and traceable, but it is not for construction and does not invent protection, cable, earthing or utility approvals.

- Concept single-line diagram · PDF, SVG and editable DXF
- Equipment, feeder, evidence and information-required schedules · XLSX and CSV
- Design basis, saved decision brief and exact result snapshot · PDF and JSON
- Checksummed manifest and package lineage · JSON

Calculation basis

This report is generated from a frozen synthetic PV8 calculation. No customer information or live provider response is included.

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Use this example to see the decision process. Your own result depends on your plant, assumptions and evidence; it is not a financing approval.