EV charging hub

Needs confirmation

The charger and energy case is modelled. Fleet utilisation, vehicle access and import entitlement must be evidenced.

300 kW	473 MWh/year	189.475 €
Installed charging power	Charging energy	Project investment
Synthetic inputs	Synthetic inputs	Synthetic inputs

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

OWNER DECISION REPORT

EV charging hub

English report copy · figures retain the IT edition's EUR convention.

DEMAND AND IMPORT EVIDENCE REQUIRED

Test two 150 kW chargers against demand, capital cost and the separate import-rights question.

Charging-hub operator economics, with equipment investment borne by the project. EBITDA is before charger replacement, tax and financing. A separate PV-owner lease or revenue share is not calculated in this sample.

Decision metrics

Metric	Result	Basis
Installed charging power	300 kW	Synthetic inputs
Charging energy	473 MWh/year	Synthetic inputs
Project investment	189.475 €	Synthetic inputs
Annual charging receipts	184.486 € / year	Synthetic inputs

EV hub cash-flow bridge · year 3

Metric	Result	Basis
Charging receipts	184.485,60 € / year	Estimated · synthetic assumptions
Energy cost	Not established	Missing
Total operating costs including energy	81.037,74 € / year	Estimated · synthetic assumptions
Operating EBITDA	103.447,86 € / year	Estimated · synthetic assumptions

Charging receipts less total operating costs equals operating EBITDA. The annual ledger does not establish a separate energy-cost amount. Charger replacement, tax and financing are excluded from EBITDA. These are assumptions, not confirmed costs.

What this scenario establishes

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

Export capacity is not evidence of an import right. Charging demand, diversity and import entitlement must be confirmed.

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

- Confirm fleet demand or a credible utilisation study.

- Confirm import rights and connection works; an export agreement is not enough.
- Obtain charger, civil works and electrical installation quotations.

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.