



SolarTech Power Solutions

Luxembourg Solar PV Panels



Overview

How much energy does a solar PV system produce in Luxembourg?

Average 2.60kWh/day in Autumn. Average 1.22kWh/day in Winter. Average 4.63kWh/day in Spring. To maximize your solar PV system's energy output in Luxembourg, Luxembourg (Lat/Long 49.6113, 6.1294) throughout the year, you should tilt your panels at an angle of 42° South for fixed panel installations.

Are photovoltaic panels subsidised in Luxembourg?

The installation of photovoltaic panels is heavily subsidised by the Luxembourg government and local authorities. This practice is fully in line with the national objective of reducing greenhouse gas emissions (-55% by 2030). Consult our Guide to photovoltaic subsidies in Luxembourg (subsidies 2025).

How do solar panels work in Luxembourg?

To put it plainly: owners of solar panels consume the energy produced by their panels directly. If there is any electricity left over, it is sold back to the grid at a rate set by the government. This is the the most subsidised in Luxembourg. This system has a number of advantages: It also enables them to generate additional income.

Is Luxembourg a good place to install solar panels?

Luxembourg ranks 72nd in the world for cumulative solar PV capacity, with 209 total MW's of solar PV installed. Each year Luxembourg is generating 330 Watts from solar PV per capita (Luxembourg ranks 10th in the world for solar PV Watts generated per capita). [source].

How can Luxembourg save money on solar panels?

Luxembourg homeowners can reduce their electricity bills and sell surplus production thanks to the self-consumption model. The government is proposing subsidies covering up to 80% of installation costs with an estimated

return on investment of between 5 and 7 years. How steep should the roof be for solar panels?

Are photovoltaic panels and self-consumption compatible with all electricity suppliers in Luxembourg?

Photovoltaic panels and self-consumption are compatible with all electricity suppliers in Luxembourg. However, some are more suitable than others because they can : Invest part of your subscription in the development of power stations in Luxembourg and in the Grande Région (wind farms, solar panel farms, etc.).

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