

# Photovoltaic panel shadow blocking power generation efficiency



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### Solar energy in buildings

The revised Energy Performance of Buildings Directive will speed up the uptake of solar photovoltaics and solar thermal - both on residential and non-residential buildings - and increase the possibilities

### Solar energy

In 2024, the EU output of photovoltaic electricity accounted for 11% of the EU's gross electricity output, according to Ember. Continued growth in the solar energy sector is expected in the



### European Solar Charter

The European Solar Charter, signed on 15 April 2024, sets out a series of voluntary actions to be undertaken to support the EU photovoltaic sector.

### Renewable energy targets

The targets have evolved consistently since first established to help the EU reach its ambitious energy and climate goals.



### European Solar Charter

In 2023, the solar photovoltaic sector in the EU and globally saw the prices of the panels plummet from ca. 0.20 EUR/W to less than 0.12 EUR/W. This unsustainable situation is weakening

## 5 things you should know about solar energy

Solar energy is one of the world's most abundant and easily accessible sources of renewable power. But how well do you know it? Several distinct technologies harness the sun's



### [In focus: Solar energy - a shining star of Europe's clean transition](#)

A range of solar technologies are available to harness the sun's energy in different ways. Solar photovoltaic (PV) panels, comprised of individual solar cells, convert sunlight into electricity.

## Renewable Energy Directive

The renewable energy directive is the legal framework for the development of renewable energy across all sectors of the EU economy, and supports cooperation across EU countries.



### [Commission supports European photovoltaic manufacturing](#)

The charter sets out a series of voluntary actions to be undertaken to support the EU photovoltaic sector.

## Energy

This Commission department is responsible for the EU's energy policy: secure, sustainable, and competitively priced energy for Europe.



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