

HOW DO PHOTOVOLTAIC POWER PLANTS WORK?

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Thanks to the **photoelectric effect**, the electromagnetic radiation emitted by the sun is converted into electrical energy.

The alternating electric energy, now suitable for consumption, is distributed along **transmission lines**.

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Transformers raise the electricity to a medium voltage (up to 36 kV).

The continuous electrical energy produced by the panels is converted into alternating current by the **inverters**.

Photovoltaic panels are formed from cells that absorb light particles (photons) and release electrons or direct electric current.