

Model 6 – Functional model / Solar energy

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Topic

We will be investigating solar energy using a functional photovoltaic model, and learning about alternative types of energy generation in the context of renewable energy.

Learning objective

- Forms of renewable energy and energy converters. From radiant energy (solar energy) to electrical energy.
- Function, effectiveness and technical challenges when designing solar systems.
- Electrical circuits: Parallel, series and antiparallel connection
- Using measuring equipment.
- Storing solar energy

Time required

90 minutes.