I watched a video that talks about solar energy. The sun generates a large amount of electricity. Solar energy is converted into electrical energy using solar panels.

In this video we are told about the principle of solar battery operation. Silicon is used in solar panels. They work on the principle of p-n transition. Each silicon cell produces 0.5 volts. But it is possible to combine them into a module. Solar panels are not consumed and do not wear out, so they can serve for a long time.

There are problems with using solar energy:

* uneven distribution of solar energy across the planet
* political aspect
* changing weather
* inability to accumulate a large amount of electricity
* weak efficiency of solar panels (max 46%)

Large territories are required to accommodate solar substations. They can be deserts. It is most problematic in the Nordic countries. For example, in Finland, the sun may not leave the horizon for 51 days.