

Solar power

Mechanism of solar power

Solar panels to make the solar power (or solar panels). In either would have been generated by any principle that? Solar panels are made of two types of semiconductor.

Inside the solar panel in the sun, from the atoms of the material that make up the semiconductor, electronic pops out . To the semiconductor one, minus electricity will accumulate and are attracted to the semiconductor The other plus electricity. It's based on the idea that current flows use this function, install the electrode in solar panels , and connect electrical products .

Solar power is also known as solar cells, but unlike batteries that you are using in everyday, you will not be able to treasure the electricity .

Therefore , you cannot it is not possible time zone the sun is out only to power generation , electricity is generated in the cloudy and rainy days are few , at night to power generation .

On doing solar power, the problem is there are several .

For power generation amount of one sheet of solar panels is low , if you need more power , you need to install the solar panels many . Therefore, in order to obtain more power in solar power , I require a vast land .

If you just installed solar panels , you will not be able to obtain a stable power . It will be necessary to wash away the dust and dirt that accumulates on solar panels on a regular basis . In addition , snow can be a problem , and mowing is required if you have installed solar panels where the grass is lush . I can say that the regular maintenance may be required , and disadvantage in solar power .

Solar power can be used to create electricity in solar panels only light and the sun . That they can generate electricity with no emissions and carbon dioxide would be the biggest benefit .

The usage of photovoltaics

Photovoltaics is mainly installed in the roof of a residence.

The merit demerit of photovoltaics

Photovoltaics attracts attention by the power generation method which carbon dioxide does not generate. It has seldom spread. Why? Let's see a merit and a demerit.

The merit of photovoltaics

- Various wastes are not generated.
- Resources are not needed.
- It can respond to the peak of daytime.

The demerit of photovoltaics

- The cost per production of electricity is high.
- The production of electricity per area is low.
- A production of electricity changes a lot according to the weather.

Summary

The merit and demerit of photovoltaics are such. If a merit is summarized, it will be mentioned that it is good for environment. Moreover, it can respond also to the peak of daytime with much power consumption. Receiving, the direction of a demerit has many things about power generation. It has been a subject that there are few especially productions of electricity. If improved in the future, spread will progress more.

Other

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In the preparation of this document, and we have been referring to the newspaper article and the following sites. (URL will be displayed in a PDF display mode)

- [日本自然エネルギー株式会社](#)
- [産総研：太陽光発電研究センター「太陽光発電の特徴」](#)
- [産総研：太陽光発電研究センター「太陽光発電の原理 初級編」](#)