

SOLAR POWER TECHNOLOGY

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Nowadays, people need more and more energy, as they come up with more and more new inventions that require energy.

We know that energy was born many millions of years ago when people learned to obtain fire: they use fire to hunt, receive light and warmth, and it has been a source of joy and optimism for many years.

Today the economic prosperity of industrialized countries and the comfortable conditions of human existence depends on the search and development of new renewable energy sources. The reasonable choice of energy generating technology is one of the main steps in solving many environmental problems.

The sun is one of the sources of energy that do not excite harmful emissions, and is available in abundance, and the energy industry that is engaged in energy production from the sun is called solar power engineering. Today solar power engineering industry has a great perspective for further development [2].

Solar energy is the kinetic energy of radiation, formed as a result of reactions in the bowels of the Sun. Since its reserves are practically inexhaustible, it is referred to as renewable energy.

Sunlight emission can be captured directly when it comes to Earth. This is called the direct use of solar energy. For example, when sunlight falls on a building, depending on the properties of the material, solar radiation is reflected, transmitted or absorbed. The heat created by the sun causes the movement of air [3]. In addition, it ensures the operation of water cycle, air circulation and the accumulation of organic matter in the biosphere. In fact, turning to this technology, we are engaged in the indirect use of solar energy [1].

In many well-developed countries the solar power technology is now widely used on a large scale. It doesn't disturb household or any other activities of the people. One also does not have to acquire special technical knowledge to install solar panels, so that many people install them to provide electricity for their homes. It helps not only to cut utility costs, but also to earn money by selling the unused electricity to the state.

Today, alternative sources of electricity continue to develop and improve. In the world, more and more people are using green technology, like solar power, and soon some countries will completely switch to ecologically clean types of energy,

completely abandoning old types of electricity production. This will help reduce the cost of electricity, as well as the amount of carbon dioxide emissions into the Earth's atmosphere, which will positively affect the environment.

REFERENCES

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