

A REVIEW OF SOLAR ENERGY SYSTEM

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Abstract: The solar energy system has been reviewed in this paper. The variety of solar energy is quite wide. The use of solar power varies according to the time and geographic location. The proposed paper has reviewed the solar energy conversion into electricity with particular emphasis on photovoltaic systems. It also considers the solar cells and the pattern to store the electricity. There are several researches in the field of Solar Energy. Some of them have been considered here the solar power energy system technologies are also discussed here. The energy system technologies are concentrated Solar Power, Solar PV, and Solar Water Heating System. In concentrated solar thermal (CST) technology, the mirrors have been used to concentrate sunlight. A lot of methods are there to perform this. The curved mirrors are usually known as parabolic mirrors. Such mirror changes the movement of the sun. The sunlight is focused on the pipes filled by liquids. The long flat rotating mirrors are also used in other model for this purpose. Such mirrors are cheaper.

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[1] INTRODUCTION

Solar energy is energy. Solar portal provides an overview of information on energy pedia related to solar energy. Solar control is exchange of power from sunshine into electricity, unlock by photovoltaic, or indirectly using concentrated solar power. The condensed solar power systems use mirrors or lenses & trace systems to centre a huge area of sunlight into a small ray. The Photovoltaic cells convert light into an electric current using photovoltaic effect. The Solar reserve across ant country is ample for solar electric systems also known as photovoltaic systems because they could use both direct & scattered sunlight. The amount of power produce at a special site depends on how much of sun's energy reaches it. Thus, photovoltaic systems purpose most powerful in India, which entertain greatest amount of solar energy.

If sale a photovoltaic system, you would want to be sure your site had enough solar energy to meet your electricity needs efficiently & economically. Your local system supplier

could perform a solar site analysis for you or show you how to do so on your own.

[2] SOLAR SYSTEM WORK

Photovoltaic modules use semiconductor materials to generate dc electricity from sunlight. The large area is required to collect more sunlight as achievable so semiconductor is either make into crystalline cells, thin, flat, or put down as a very small incessant layer onto a support material, typically glass. Cells are wired together & sealed into a weatherproof module, within electrical connectors added.

The number of supply power into a major power system, dc results from module must be improved to at correct voltage & regularity. The electronic inverter is used to do th is. Usually, a number of photovoltaic modules are connected in series to provide a higher dc voltage to inverter input, & sometimes several of these 'series strings' are connected in