

## The Future of Solar energy

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Solar energy is a type of renewable energy generated by the sun. Most electricity is generated with steam turbines using fossil fuels, nuclear, biomass, geothermal and solar energy.

The sun emits enough power onto earth each second to satisfy the entire human energy demand for over two hours given that it is readily available and renewable solar power is an attractive source of energy. However as of 2018, less than 2% of the total world's energy came from solar. For human use of solar energy, solar panels are used.

**What is Solar panels?** “A panel designed to absorb the sun's rays as a source of energy for generating electricity”.

How Do Solar Panels Work?

Solar panels capture the energy from the sun into usable energy for homes, buildings or swimming pools. A solar panel is made up of photovoltaic cells that convert the sunlight's energy to an electric current to power your home

**Advantages:** Renewable energy sources among the most important thing is that solar energy is a truly renewable.

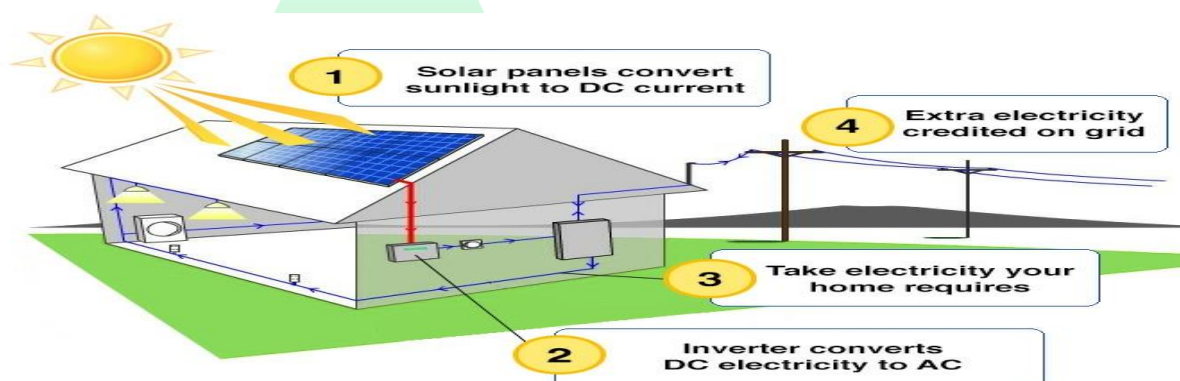
Reduces diverse applications, low maintenance costs. Compared to fossil fuels that leave the environment significantly polluted, solar energy is almost 100% clean.

Once the solar is installed, maintenance is relatively simple, panels do not have to be cleaned several times a year, only the inverter needs to be changed once every 5–10 years, and sometimes maintenance for cables.

**Disadvantages:** The initial cost of purchasing a solar system is fairly high, The average national Price to install solar panels is Approx 13.35 lakh Rupees(18,000 \$), solar energy

storage is expensive, weather dependent although solar energy can still be collected during cloudy and rainy days, the efficiency of the solar system drops.

**Solutions:** We have to be aware to improve the issue of solar energy, it is the responsibility of the government and every person to keep the environment of this earth clean and pollute free. Solutions offers the infrastructure and expertise you could possibly desire Refinery Train Package and by creating solar plant projects by the government, Spread this news through the news network, motivating people it and uses also, this is how we can produce eco friendly solar energy. Recently, Prime minister of India Shri Narendra Modi inaugurated Asia's largest 750 Mega Watt (MW) Rewa Ultra Mega Solar Power Project in Madhya



Pradesh on 10 July, 2020.

### What is RUMPP (Rewa Ultra Mega Power Project) ?

Rewa Ultra Mega Solar is the first solar project in the country to break the grid parity barrier. It is one of the largest solar power plant in India. It is an operational ground mounted, grid-connected photovoltaic solar park spread over an area of 1,590 acres in the Gurh tehsil of Rewa district of Madhya Pradesh.

Owner: Solar Energy Corporation of India

Construction cost: 4,500 Crores INR

Units operational: 3 x 250 MW

Nameplate capacity: 750 MW

Commission date: 5 July 2018

Inaugurated date: 10 July 2020.

We are all in an era where it is difficult to imagine without electricity. We produce more energy from non renewable resources, whose quantities are limited in our earth, so we should seek renewable resources for this. So there can be no alternative option better than solar energy.

