

13. Solar collectors capture and concentrate sunlight to heat a synthetic oil called terminal, which then heats water to create steam. The steam is piped to an onsite turbine-generator to produce electricity, which is then transmitted over power lines. On cloudy days, the plant has a supplementary natural gas boiler. The plant can burn natural gas to heat the water, ...

8. Jupiter It takes Jupiter 4332.59 days to complete one orbit around the Sun . It is 482 million miles away from the Sun. You would weight 185 pounds on Jupiter if you weighed 70 pounds on Earth . Jupiter has a great red spot that is made up of storms that have been constantly occurring for over 300 years.

Solar power towers use an array of mirrors called heliostats to focus sunlight onto a central receiver at the top of a tower. This concentrated sunlight is used to heat a fluid or molten salt that can store the thermal energy. There are two main types of solar towers - steam based systems that use water as the heat transfer fluid, and molten ...

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2. Solar Energy is captured in space by large photovoltaic arrays and transmitted via a coherent microwave or laser beam to an Earth receiver where it is converted into either base-load electric power, low-intensity ...

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A solar vehicle is powered by solar energy collected from solar panels on its surface. It consists of a solar array, power trackers, an electric motor, speed controller, chassis, battery, and wheels. The solar array ...

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# Solar Power Graduation Presentation

silence o Solar Energy is free o Solar Electricity can be stored for later use or sold to your power company o Solar Panels require little maintenance if there is a problem Advantages of Solar Energy 10.

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The presentation discusses the history of solar cells from early experiments in 1839 to the first practical cell in 1954. It describes the three main types of solar cells based on the crystal used and their relative efficiencies. The presentation also outlines the structure, working principle, uses, advantages and disadvantages of solar cells.

7. Thermal energy storage (TES) TES are high-pressure liquid storage tanks used along with a solar thermal system to allow plants to bank several hours of potential electricity. o Two-tank direct system: solar thermal energy is stored right in the same heat-transfer fluid that collected it. o Two-tank indirect system: functions basically the same as the direct ...

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2. WHAT IS SOLAR ENERGY Solar power, also known as solar electricity, is the conversion of energy from sunlight into electricity, either directly using photovoltaics (PV) or indirectly using concentrated solar power. ...

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