

Solar radiation is light ??? also known as electromagnetic radiation ??? that is emitted by the sun. While every location on Earth receives some sunlight over a year, the amount of solar radiation that reaches any one spot on the Earth's surface varies.

? Climate - Solar Radiation, Temperature, Climate Change: Air temperatures have their origin in the absorption of radiant energy from the Sun. They are subject to many influences, including those of the atmosphere, ocean, and land, and are modified by them.



Definition of solar radiation: Solar radiation is the radiant energy emitted from the sun, encompassing the complete frequency spectrum of electromagnetic radiation, including visible light, and near-visible radiation (UV Rays, Infrared Rays, X-rays, etc.).

WHAT IS A SOLAR RADIATION





Solar energy is radiation from the Sun that is capable of producing heat, causing chemical reactions, or generating electricity. The total amount of solar energy incident on Earth is vastly in excess of the world's energy requirements and could satisfy all future energy needs if suitably harnessed.

Solar radiation, often called the solar resource or just sunlight, is a general term for the electromagnetic radiation emitted by the sun. Solar radiation can be captured and turned into useful forms of energy, such as heat and electricity, using a variety of technologies.



Solar radiation is a high-temperature, high-exergy energy source at its origin, the Sun, where its irradiance is about 63 MW/m 2. However, Sun???Earth geometry dramatically decreases the solar energy flow down to around 1 kW/m 2 on the Earth's surface [1].

WHAT IS A SOLAR RADIATION



<image>

Solar radiation, electromagnetic radiation, including X-rays, ultraviolet and infrared radiation, and radio emissions, as well as visible light, emanating from the Sun. Of the 3.8 x 1033 ergs emitted by the Sun every second, about 1 part in 120 million is received by its attendant planets and their.



Solar radiation definition: it is the energy emitted by the Sun in interplanetary space. When we speak about the amount of solar energy reaching the surface of our planet, we use irradiance and irradiation concepts.