



Insolation chart

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Using this data, Solmetric has calculated insolation values in kWh/m² for a range of fixed tilt and azimuth values and produced a color grade chart for each of these NREL locations.

On this page you will find a map of solar insolation values for the United States. Also, there are image links below the map that will take you to regional solar insolation maps for the different U.S. regions.

This insolation chart shows the average daily hours of solar insolation for the United States. Charts or maps such as the one below accurately predict the annual insolation of an area and can be used to ...

Solar Insolation Maps From the National Renewable Energy Labs (NREL).

This is an official map provided by NREL (US Department of Energy) that shows the average average daily solar insolation values for various areas of the US. Each kWh/m/day is consider to be one ...

A table of the high, low, and average solar insolation measurements for many large cities in the United States.

The insolation values represent the resource available for solar energy systems. These values were created using the adapted PATMOS-X model for cloud identification and properties, which are then ...

The following maps give a general idea of how much solar energy is available in different areas at different times of year. This info is critical for properly designing a solar system. A good design for ...

Daily insolation data will be displayed in units of Mj and kWh. Note: You can click on the map to set the latitude and longitude to within half a degree.

Solar insolation maps are also useful to engineers who design solar panels and batteries designed to convert energy from the Sun into electricity to power appliances in our homes and work places.

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