

Solar Angle Calculator

The correct angle for your project will depend very much as to when you want to get the best out of your photovoltaic system. If you want to get the best performance during the summer months, you would angle your photovoltaic panels according to the height of the sun in the sky during these months. If you want to improve your winter performance, you would angle your photovoltaic panels towards the winter months in order to get the best performance at that time of year.

If you have the opportunity to adjust your photovoltaic panels throughout the year, you will benefit from having the optimum performance from your solar system all of the time.

This solar angle calculator allows you to calculate the optimum angle on a month-by-month basis.

For Example:

Solar Angle Calculator

Select Country:

Select Town/City:

Madurai Optimum Tilt of Solar Panels by Month

Figures shown in degrees from vertical

Jan	Feb	Mar	Apr	May	Jun
64°	72°	80°	88°	96°	104°
Jul	Aug	Sep	Oct	Nov	Dec
96°	88°	80°	72°	64°	56°



Notes:

On the 21st December, the sun will rise 87° east of due south and set 87° west of due south.

On the 21st March/21st September, the sun will rise 91° east of due south and set 91° west of due south.

On the 21st June, the sun will rise 95° east of due south and set 95° west of due south.

How to use the solar angle calculator:

- Select your country from the list.
- If you have selected America or Canada, select your state or province.
- Select the town or city nearest where you live.
- The calculator will then show the optimum angle for the solar panel. The calculator shows the degrees **from vertical**.
- If you cannot change the angle of your panel throughout the year, angle your panel according to the time of year that you need to get the best performance out of your system.
- In the notes section, you can see the position of sunrise and sunset at different times of the year. This information will help you during a site survey to identify any potential obstructions at different times of the year.

For Visit :

www.solarelectricityhandbook.com/solar-angle-calculator.html