

IMPACTS ON SOLAR PANEL INSTALLATION

A word of summary

AIR TEMPERATURE CHANGE

High temperature of the air impacts the power produced by the solar panels, mainly decreasing the effectiveness.

Colder day may give around 1,0725 MW and sunny day gives 0,971 MW.



RAINFALL AND CLOUDS

Rainfalls may affect the solar panel performance in many ways, i.e. construction time and costs and greenhouse effect.

Cloudy and rainy days may also increase solar panel performance.

AIR POLLUTION

Air pollution causes the solar panel to underperform. Cleaning the pollution also damages the panels.

The gases that cause the pollution are mainly due to human activity, but nature itself also can be a major interaction of the performance, i.e. birds or rain.



STORMS

We can expect extremely strong winds and thunderstorms in near future. Any direct hits from lightning can cause damage to the electrical wiring. Solar panels need to be grounded for protection. Panels are protected from some winds, but their increasing severity may be damaging.