

Ultra Pure

Pure Water Cleaning System for Solar Panels



602 253 9579

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Cleaning and Maintenance of solar and photovoltaic panels

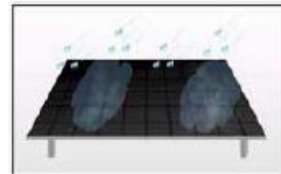
Why clean solar panels?

Photovoltaic panels are constantly exposed to various types of weather and are thus a target for dirt, dust, industrial residues, atmospheric pollution, algae, moss, bird droppings, etc.

The agents responsible for **deterioration of the surfaces** also include the chemicals used during cleaning. These form an excellent attraction for dirt and accelerate the deterioration process, with negative repercussions on the appearance and, above all, the function of the structure.

The presence of these elements on the panel's surface prevents the sun's rays from filtering onto the panel's photovoltaic cells completely, **reducing the solar performance and therefore efficiency.**

Accumulated dirt residues reduces efficiency and may damage the material the panels are made from. Cleaning is therefore an indispensable part of the maintenance of these structures and the frequency of the cleaning depends on the geographic area and climate. Industrial areas may require more thorough maintenance than rural areas.



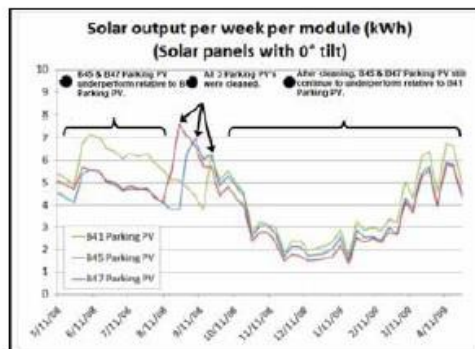
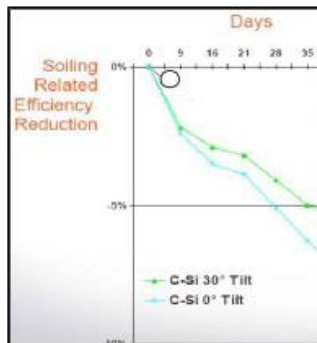
Why Pure Water?

Ultra Pure water **does not contain any chemical** which will not continually damage solar panels. It is also just as affective as using a cleaning agent while costing less. By using Ultra Pure water you're **extending the life** of the solar panels.

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Research and data on solar panels show that the efficiency of panels not cleaned regularly can rapidly drop.

Cleaning has been shown to drastically increase solar output.



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Current cleaning methods and associated risks

- **Rain**, considered as a means of cleaning, but in fact with low efficiency. It may actually be harming your solar panels by being aggressive as a result of pollution
- If not carefully chosen, **chemical products** may be aggressive to the panel materials, reducing transparency.
- Chemical waste products may not be dispersed into the soil or drainage system and must be in compliance with local **environmental regulations**.
- Manual cleaning represents a risk for operatives who often work at a height of 12-20 feet from the ground, with a risk of falling.



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