



## Itek Energy Module Cleaning Guidelines

Solar modules may need occasional cleaning depending on the install location. Increased soiling on the modules can decrease production and result in lower energy harvest. The frequency of cleaning will depend on the soiling potential of the install location. For light soiling locations cleaning your modules 1-2 times per year should be adequate. For heavier soiling locations you may need to increase the frequency accordingly. Monitor the changes in power output of your solar panels before and after cleaning. This will help you determine the ideal interval between cleanings.

Typically water and a soft, non-abrasive brush will be adequate to clean the modules. Utilizing a brush with a telescoping handle and flow-thru feature will make cleaning a lot easier.

If there is a stubborn film, either from pollen or other airborne particulates you can utilize a cleaning product with the following features:

- Non-Abrasive
- pH Neutral
- Bio-degradable

One such product that we've found with these features is [Earth Friendly Window Kleener](#). Other products are certainly available. Please make sure whatever product is used meets the above criteria.

Other cleaning tips:

- To remove tough, caked on materials utilize a nylon pan scraper. **NEVER** use a metal scraper as you will scratch the glass surface.
- Remove caked on materials first. The modules will clean easier without this additional material present.
- Clean the modules while they are cool, either in the morning or on an overcast day. Cleaning them while they are hot will result in rapid evaporation and smearing. In addition, rapid cooling of the aluminum frames could result in module damage.
- Please note that products like Rain-X should **NEVER** be used on our modules. Rain-X specifically lists that their product should not be used for solar applications.

**USE CAUTION AND PROPER FALL PROTECTION IF ROOF ACCESS IS REQUIRED FOR CLEANING.**