

Solar Degradation Panels





Overview

How does aging affect solar panels?

Shading from trees, new structures, or even accumulated dirt can cast shadows over panels, drastically affecting their output. To combat this, it's crucial to periodically assess and adjust the placement of panels or trim any foliage that may contribute to shading. Aging also plays a significant role.

What is solar panel degradation?

In principle, the solar panel degradation can be distinguished into the light-induced, aging-related and potential induced degradation. Whereas the light-induced and the potential induced degradation have a one-time effect, the aging-related degradation is a continuous process.

How often does solar panel degradation occur?

While PV technology has been present since the 1970s, solar panel degradation has been studied mainly in the last 25 years. Research Institutes like NREL have estimated that appropriate degradation rates of solar panels can be set at 0.5% per year with current technology. What is the impact of solar panel degradation on your PV system?



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Photovoltaic Lifetime Project , Photovoltaic Research , NLR

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