



# Blue spots on photovoltaic panels





## Overview

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Regularly check the surface of PV modules for dust, bird droppings, or obstructions, and clean them if necessary. Use an infrared thermal imaging camera to detect local overheating (hot spots). Solar cells are designed to generate an electric current when the sunlight shines upon them. This nearly eliminates the risk of mechanical failure and allows. Solar panel discoloration is typically the result of long-term exposure to the elements, such as sunlight, rain, and dust.



## Blue spots on photovoltaic panels



### [Solar Panel Discoloration: Causes, Effects, and How to ...](#)

Discover the causes and effects of solar panel discoloration, and learn preventative measures to maintain your solar panel's efficiency.

### **Common Fault Diagnosis and Maintenance Guide for PV Systems ...**

Use an infrared thermal imaging camera to detect local overheating (hot spots). Replace damaged modules if detected. Inspect modules for physical damage, such as glass cracks or frame ...



### [11 Common Solar Panel Defects and How to Avoid Them](#)

In this blog, we will explore the 10 most common solar panel ...



### [Most common solar panel defects and how to deal with them](#)

Solar panel defects are rare, but they can still occur and impact your system's performance. Understanding common solar panel defects can help you identify potential issues early ...



### [How To Prevent And Fix Hot Spots On Solar Panels?](#)

Left unchecked, hot spots can lead to reduced power output, accelerated panel degradation, and even fire hazards. In this comprehensive guide, we'll explore the causes of hot ...

### **Common Solar Panel Defects**

Common solar panel defects, such as discoloration, delamination, and solar panel diode failure, often become more likely as systems age. These issues reduce overall efficiency and may ...



### [Most Common Solar Panel Defects and How to Avoid Them](#)

In this blog, we will explore the 10 most common solar panel defects from micro-cracks and hot spots to issues like delamination and PID (Potential Induced Degradation).

### [Most common solar panel defects and](#)



## how to deal with them

Without a secure seal, moisture and air can enter the system, ...



## Top 10 Signs of Solar Panel Degradation

One of the most common reasons that our customer's systems start to become inefficient is due to solar panel degradation. Spotting panel degradation can be difficult, but catching it early can save you ...

## Solar Panel Defects: Hot Spots, Snail Trails, And More

Without a secure seal, moisture and air can enter the system, causing corrosion and substantially reducing panel performance. If you see dark spots on your panels, this could be a sign ...



## 11 Common Solar Panel Defects and How to Avoid Them

Here are 11 of the most common solar panel defects to watch out for in a solar installation, and how WINAICO works to prevent them from happening to your sites.

## **Why Do Solar Panels Get Discolored?**



This article will explore the causes of solar panel discoloration, investigate its implications, and discuss preventive measures to ensure optimal panel performance.





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