

## PIENAAR ENERGY (PTY) LTD

# Solar panels have bird droppings



## Overview

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The bottom line: bird droppings equal lost energy and risk to your panels. Solar energy is a clean and efficient power source, but there's a lesser-known enemy in the skies: bird droppings. Yep, those seemingly small splotches can actually do significant harm. And if you're in sun-rich areas like San Luis Obispo County, where solar adoption is soaring, understanding the. But a common, often underestimated, threat can silently sabotage their performance and even shorten their lifespan: bird droppings. To prevent this, the modules. Bird droppings and nests can reduce solar panel efficiency by up to 30%, deteriorating roofs, and provoking enduring damage, which leads to high-cost repairs.

## Solar panels have bird droppings

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### Solar Panel Bird-Proofing Full (2026) Guide

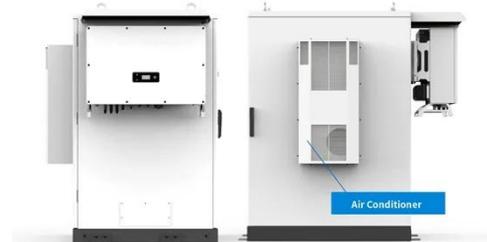
Birds are attracted to the protected space and warmth of the solar panels, which can provoke damage with their droppings, causing energy reduction and blocking sunlight. Additionally, ...

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### How Bird Droppings Affect Your Solar Panels -- How to Fix It

Bird droppings reduce solar efficiency by up to 23%. A cleaning and cooling system keeps your panels working at their best, saving you more on energy costs.



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### Bird-Proof Your Solar Panels: Why It Matters & Effective Strategies

Extensive research has highlighted the significant impact of birds, particularly their droppings, on solar panel efficiency. The accumulation of bird droppings obstructs sunlight from ...

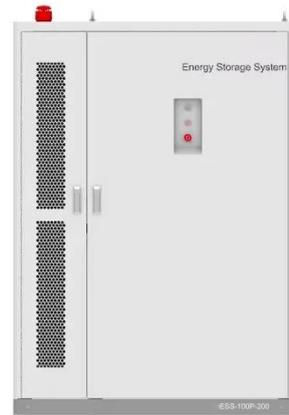
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## Why Bird Droppings Are a Bigger Problem Than You Think

Bird droppings on solar panels are more than just unsightly - they can significantly cut your system's performance. When droppings accumulate, they form opaque patches on the glass that ...

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## How Bird Droppings Affect Solar Panels?

Discover how bird droppings and debris reduce solar panel efficiency, void warranties, and cost you money.

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## How Bird Droppings Can Harm Rooftop Solar Panels

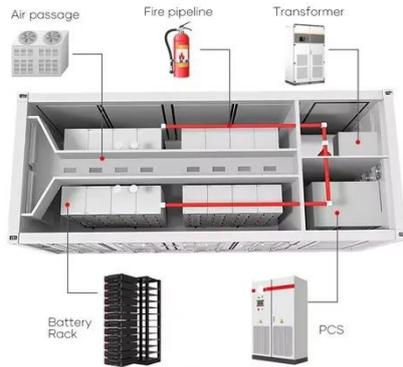
To ensure a photovoltaic system on the roof operates at full capacity, it must remain clean. While rain and snow handle most of the cleaning, stubborn dirt like bird droppings can ...

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## Bird Droppings on Solar Panels: How They Reduce Efficiency

Investing in solar critter guard solutions and professional solar panel cleaning



services can help keep bird droppings and other debris at bay. This article explores how bird droppings affect ...

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## How Bird Droppings Damage Solar Panels and How to Clean Them

If you've seen ugly marks on your panels or a fall in power production, bird droppings might be the cause. In this blog, we'll explore how bird droppings hurt solar panels, explain why ...

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 LFP 12V 100Ah

## Bird Nesting on Solar Panels: Risks and Protection

In effect, bird droppings cause the same harm as extended shading of the panel's surface. Corrosion: Birds' droppings and urine contain uric acid, a strong corrosive. Over time, these acids eat ...

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## High Season for Shading and Pollution: How Do Leaves and Bird Droppings

When a cell is covered by bird droppings, it can no longer generate power, but the series current is still forced to pass through. This immediately puts the shaded cell into reverse bias, ...

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