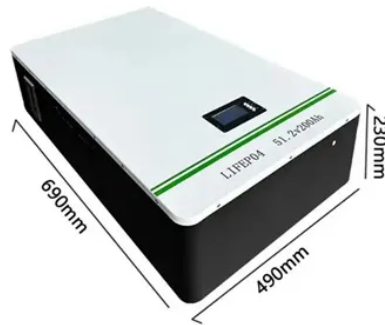


What to do if there are spots on the photovoltaic panels



Overview

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). This guide covers the most common types of solar panel damage, what causes them, how professionals diagnose them, and what steps to take when. Understanding how to identify common issues in solar panels is crucial for maintaining optimal performance. Whether you're dealing with a flickering inverter or a bent panel that looks like it survived a windstorm, recognizing these problems early can save you both time and money down the road. Abnormal spots on PV modules near sewage outlets of industrial/ commercial rooftops are a common headache—they're not just unsightly, but resist rainwashing and harm module performance. What's the real cause?

These spots aren't simple dust buildup, but a chain reaction triggered by pollutant. Hot spots happen when certain areas of a solar panel get much hotter than others. This can be caused by uneven sun exposure, electrical issues, or debris buildup. Thermography is a safe diagnostic tool.



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