

# How to identify genuine Hitech photovoltaic panels

How to choose a fake solar panel?

In general, most solar panels come in blue color. Fake solar panels may contain other colors. The manufacturing process of silicon makes it blue. You have to consider the color to pick an original solar panel. When purchasing a solar panel, you must have to calculate the energy production rate according to its size.

How to choose an original solar panel?

You have to consider the color to pick an original solar panel. When purchasing a solar panel, you must have to calculate the energy production rate according to its size. A perfect combination ensures the original panel. An original solar panel must have an efficiency of 17% to 19%.

Why is identifying genuine solar panels important?

Identifying genuine solar panels is crucial to ensuring the longevity and efficiency of your solar power system. This guide will help you understand the importance of verifying product authenticity and provide practical steps to avoid counterfeit products. Investing in genuine solar panels is essential for several reasons:

How to verify the authenticity of solar panels?

Proper documentation is critical in verifying the authenticity of solar panels: Purchase Invoice: Ensure the invoice matches the product details and includes the manufacturer's information. Warranty Documents: Genuine panels come with warranty documentation specifying the terms and conditions.

Can a fake solar panel damage your home?

On the contrary, a fake solar panel will damage quickly because of its substandard materials. An original solar panel can perform in any weather conditions including rain, winter, and storm. But, a fake solar panel can not stand in a hazardous situation.

How do you know if a solar panel is genuine?

Check the Weight: Genuine solar panels have a certain weight due to the quality of materials used. Counterfeit panels may feel lighter. Inspect the Frame: The frame should be robust, with clean edges and no visible signs of tampering or poor workmanship. Examine the Junction Box: The junction box should be securely attached with proper seals.

Reading a solar panel technical datasheet is a fundamental skill for anyone in the solar energy industry or considering a solar panel installation. By understanding the specifications and performance data provided in these datasheets, you ...

Knowing how to test solar panels will ensure that you're getting the biggest benefit possible from your system. There are some simple solar panel tests you can do yourself and we'll take you through them in this

article. If it turns out ...

**Current Power Output:** By monitoring the real-time power output of your solar energy system in kilowatts (kW) using smart metres, you can identify any sudden drops or fluctuations in solar radiation that may indicate a fault or maintenance ...

Solar panels are generally quite reliable. Many owners don't experience technical faults in over a decade of ownership. Nearly seven in 10 owners had had no problems with their solar panels in our survey of over ...

**Look For Cracks Or Chips.** Solar modules with cracked and flaked solar cells frequently suggest that lower-quality solar cells were used during panelion. Additionally, manual soldering or cutting, which is a typical ...

If you know the number of PV cells in a solar panel, you can, by using 0.58V per PV cell voltage, calculate the total solar panel output voltage for a 36-cell panel, for example. You only need to ...

All solar panel strings connected in parallel have to feature the same voltage, and they also have to comply with the NEC 690.7, NEC 690.8(A)(1), and NEC 690.8(A)(2). Modules need to be the same model in all ...

Here is the formula of how we compute solar panel output:  $\text{Solar Output} = \text{Wattage} \times \text{Peak Sun Hours} \times 0.75$ . Based on this solar panel output equation, we will explain how you can calculate ...

