



What kind of coal is used to produce photovoltaic panels





Overview

Coal, to make coke, is the most important, but this coal must be of special quality, very low ash, high fixed carbon, with specific reactivity (tested using SINTEF tests), and of a specific size. This coal is rather scarce globally, with Colombia playing an important role. I always thought that coal is “only” required to produce all steel. Let us have a look at solar panel manufacturing, which is really about silicon production. But first, on metallurgical grade (mg-Si) silicon smelted. [1] Thus, the first step of solar PV production is gathering, transporting, and burning millions of tons of coal, coke and petroleum coke - along with charcoal and wood chips made from hardwood trees - to smelt >97% pure mg-Si from quartz SiO_2 (MW). Is coal used to make solar panels?

PVC production requires coal, also an element used to produce solar panels (Source).



What kind of coal is used to produce photovoltaic panels



Is Coal Used to Make Solar Panels? (Let's Find Out!)

Solar panels require energy to produce; most manufacturers use coal as a source of energy because it is cheap. An average residential solar system produces about 7200 kWh annually; this needs ...

8 Major Solar Materials Used to Make Solar Panel

Here are the eight essential components that make up a solar PV module: 1. Aluminum Alloy Frames. Regarding solar panels, we usually consider the most fundamental raw materials: the solar cells that ...



[Why do we burn coal and trees to make solar panels?](#)

Silicon smelters, polysilicon refineries, and crystal growers all require uninterrupted, 24/7 power that comes mostly from coal and uranium.



[Are Solar Panels Made With Coal "Green" or Just Hypocritical?](#)

We have been told that a key ingredient in solar panels is sand. But sand is not pure enough to do the job. So, to make panels solar companies mine for quarts. That mining process ...



Coal's Importance for Solar Panel Manufacturing

Today, there is not one single solar panel that can be produced without coal (or even oil and gas). The coal is required as a reducing agent for silicon making and as source for heat and ...

Coal to make solar photovoltaic panels

Is coal used in solar panels? Yes, coal is used in producing solar panels and as a raw material to produce the chemicals used in the manufacturing process. The main chemical used during this ...



[Why do we burn coal and trees to make solar panels?](#)

Coal - Is a dense, rock-like fuel. The (low ash) coal used directly for silicon smelting is mostly the "Blue Gem" from Cerrajón, Columbia, Kentucky, USA, or Venezuela. [1][2][3][5][6][7][8]

[Are Solar Panels Made From Coal?](#)



[Updated: January 2026]

The answer is yes - coal is used to produce solar panels and as a raw material to produce the chemicals used in the manufacturing process. However, solar panels are a clean source of ...



What Are Solar Panels Made Of and How Are They Made?

Answering that question means understanding how solar energy works, how solar panels are manufactured, and what the parts of a solar panel are. Most panels on the market are made of ...

Is Coal Used to Make Solar Panels? (Let's Find Out!)

Answering that question means understanding how solar energy ...



How Much Coal Does It Take to Make a Solar Panel?

To produce a solar panel it takes 11 tons of coal. A typical power plant produces 10 tons of ash for every ton of coal burned - so if the panels are made with this material, you've just ...



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