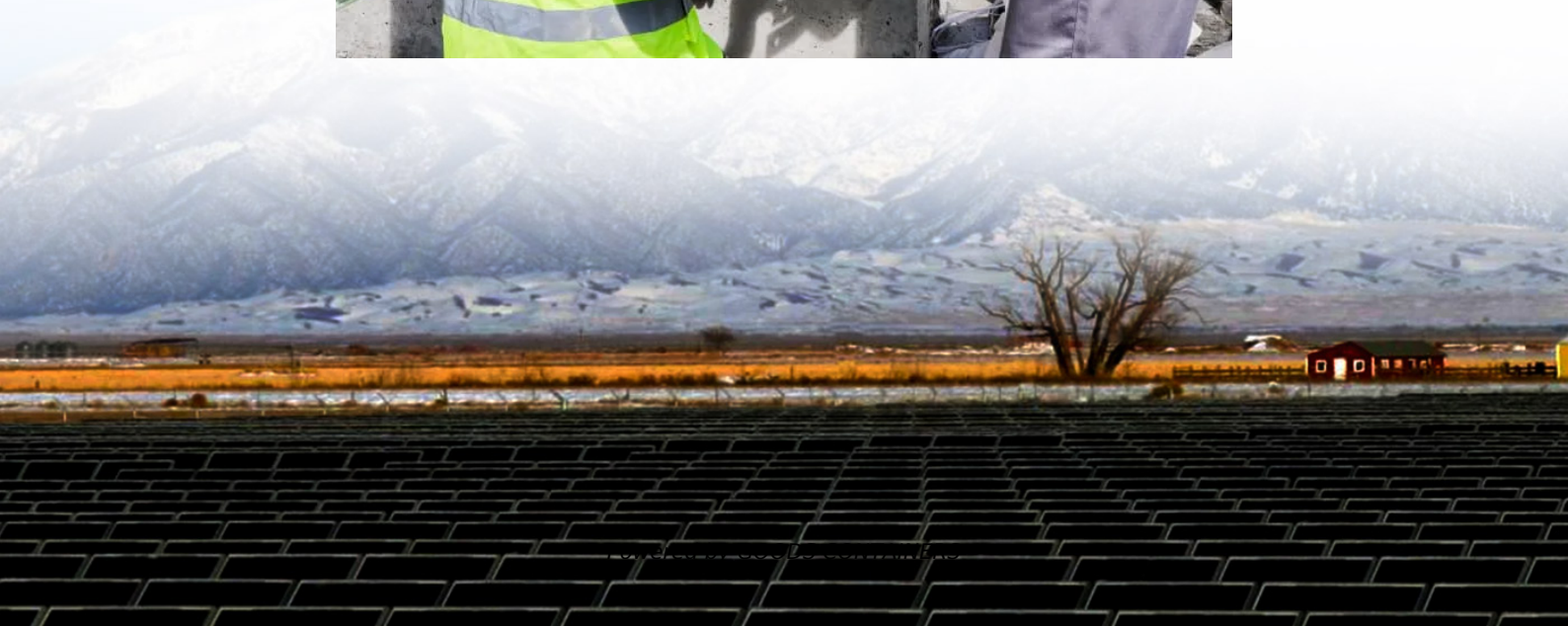


# **Anti-reverse export of solar module auxiliary materials**





## Overview

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Can PV modules be substituted by sustainable products?

Most of the PV modules are manufactured of glass, polymers, metals, and silicon-based solar cells. All these materials have the potential to be substituted by sustainable products. The substitution of materials for PV modules is challenging because of issues in significant unknown risks for short- and long-term reliability of the PV module.

What is a sustainable module encapsulation?

In the second step, the conventional module encapsulation bill of materials was substituted with sustainable materials and finally benchmarked. Sustainable material in this context means a material that is made entirely or partially from renewable, recyclable, cradle-to-cradle, biodegradable resources or is lead-free.

Can solar modules be substituted?

All these materials have the potential to be substituted by renewable, recyclable, cradle-to-cradle, or biodegradable products [3 - 6]. However, the substitution of materials for PV modules is challenging because of potential issues in solar module reliability (short and long term).

Will China rescind antidumping and countervailing duty orders on crystalline silicon photovoltaic cells?

No (s). 701-TA-481 and 731-TA-1190 The U.S. International Trade Commission (USITC) today determined that revoking the existing antidumping and countervailing duty orders on crystalline silicon photovoltaic cells and modules from China would be likely to lead to continuation or recurrence of material injury within a reasonably foreseeable time.



## Anti-reverse export of solar module auxiliary materials

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### [Changes in the proportion of PV auxiliary materials and ...](#)

Sep 27, 2024 · Overall, photovoltaic auxiliary materials are becoming a key link in reducing costs and enhancing efficiency within the PV supply chain, driving the entire industry towards a more ...

### **Sustainable Solar Module Through the Substitution of Materials ...**

Dec 26, 2024 · All these materials have the potential to be substituted by sustainable products. The substitution of materials for PV modules is challenging because of issues in significant ...



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Aug 21, 2024 · The first part explored electroplated diamond wire, silver paste, photovoltaic glass, and encapsulation materials. This second part continues by discussing the remaining four ...

### [From "Double-reverse" Policies to Exemptions from Tariffs in ...](#)

The impact of government subsidies on innovation in the photovoltaic industry. Economic Management, 2022,44 (02):57-72. [10] Xu Jiayun, Zhang Junmei, Liu Zhuqing. Experiencing ...

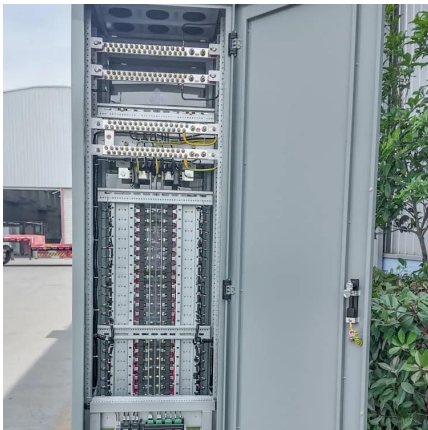


### International trade barriers, export and industrial resilience: ...

Jun 1, 2025 · Currently, China is the world's leading producer and exporter of photovoltaic products, having established a comprehensive PV industry that includes silicon mining and ...

### [USITC Makes Determination in Five-Year \(Sunset\) Reviews ...](#)

Sep 12, 2024 · The five-year (sunset) reviews concerning Crystalline Silicon Photovoltaic Cells and Modules from China were instituted on February 1, 2024. On May 6, 2024, the ...



### [India moves to extend anti-dumping duties to all Chinese PV](#)

Oct 13, 2025 · Encapsulants and other auxiliary materials have also been brought under trade control measures. Following the launch of the current AD investigations into encapsulants from ...



### The importance of overseas production capacity of Chinese ...

Therefore, the importance of overseas production capacity of photovoltaic auxiliary materials is increasing. "The (photovoltaic) competition chain is lengthening, and it has reached the end of ...



### **Changes in the proportion of photovoltaic auxiliary materials ...**

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