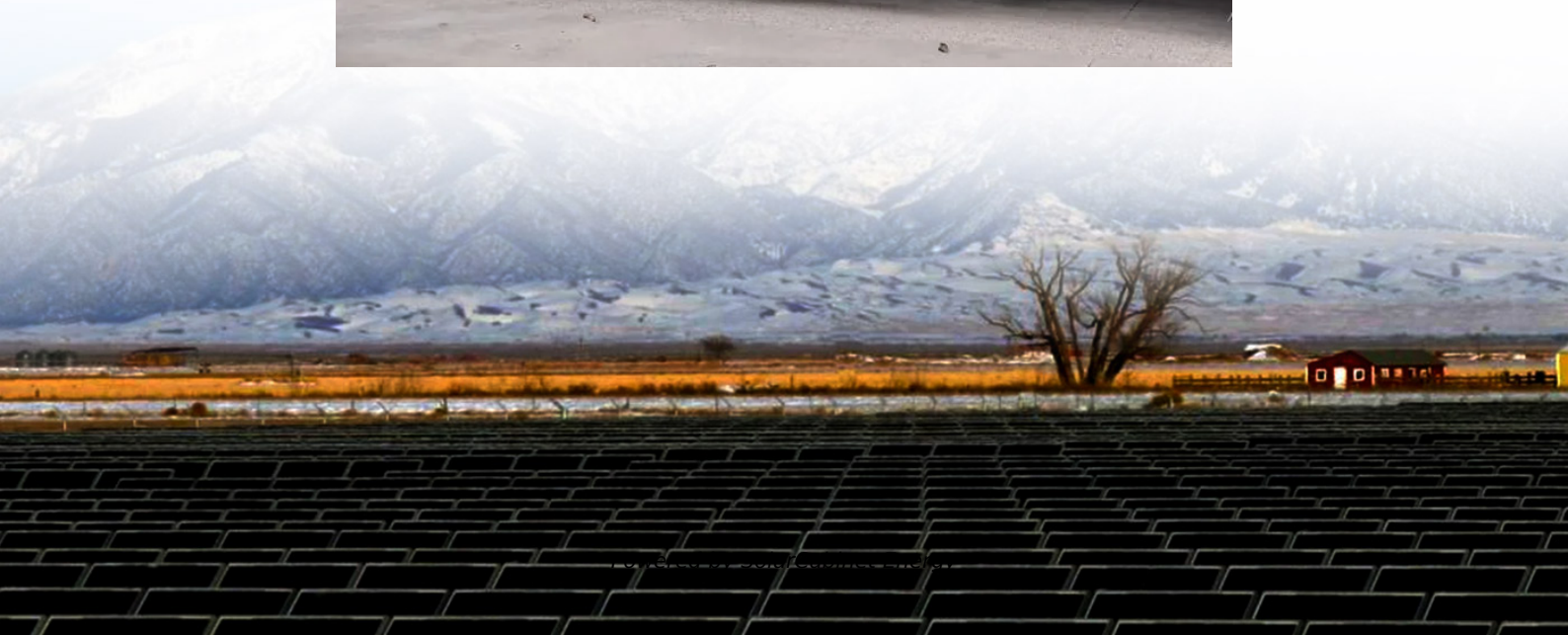


Price of polysilicon for photovoltaic panels





Overview

Price of polysilicon decreased this week both for p-type and n-type materials with the former dropping below the historic low of US\$6.75/kg. How does polysilicon affect solar panel pricing?

Either way, polysilicon's role in determining solar panel pricing can't be overstated. Spot market prices, which recently peaked at \$45.47/kg, the highest since 2011, are higher than those locked into long-term contracts. This means that companies producing their own polysilicon are at an advantage with lower input costs.

Is polysilicon the solution to solar PV?

However, creating PV modules relies heavily on specific materials whose production rates are affected by prices and supply. Polysilicon is one of those specific materials, and if solar PV is going to be the solution, it will be critically important.

What is a polysilicon solar panel?

Polysilicon is short for polycrystalline silicon, and is a crucial material used in the production of solar panels. The two main types of solar panels derived from silicon are monocrystalline and polycrystalline, and each has benefits over the other.

How much does polysilicon cost in China?

While Shanghai Metals Market (SMM), EnergyTrend, InfoLink and PVinsights all saw a stable Chinese price for polysilicon used to make n-type ingots, the Silicon Branch of the China Nonferrous Metals Industry Association again observed a price increase this week: for n-type chunks by CNY0.3 to CNY0.5 per kg, for granules even by CNY1.5/kg.

How much does n-type polysilicon cost?

The price decrease for n-type polysilicon is even bigger, with a drop of RMB8



from the previous week for the average price from EnergyTrend, and sits at RMB60/kg as shown in the chart below. N-type polysilicon price decreased to between RMB60-62.5/kg. Chart: Jonathan Touriño Jacobo for PV Tech.

What role does polysilicon play in solar energy conversion?

The role polysilicon plays in solar energy conversion lies in its semiconducting properties. It allows sunlight or photons to interact with electrons, generating an electric current. This process is referred to as the photovoltaic effect, and this is what forms the basis for solar power generation.



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[Solar Photovoltaic Prices. PV modules. PV glass. PV cells. PV ...](#)

Polysilicon prices remained temporarily stable during the weekend. Trading volume for polysilicon surged at August month-end, but temporarily pulled back in September as self-discipline ...

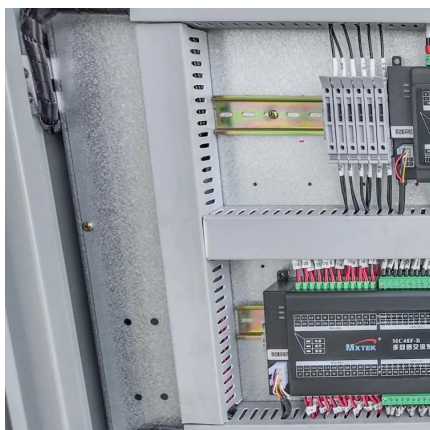
[Polysilicon prices decline amid rising inventories. weak demand - pv](#)

The Global Polysilicon Marker (GPM), the OPIS benchmark for polysilicon outside China, was assessed at \$21.652/kg, or \$0.049/W this week, down by 1.89% from the previous ...



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