

What color solar panels are available?

Silk®; Colour is available in four coloured versions: Red, Orange, Green & Silver with up to 390 Wp power and the colour of the frame can be customized too! Discover FuturaSun's best selling series of monocrystalline colored solar panels Silk®; Colour! Available in Red, Orange, Green and Silver. Contact us now!

Are coloured solar cells suitable for buildings?

For most buildings black surfaces are not desired, and only lighter and coloured solar modules will be considered. Efficient and aesthetically pleasing coloured solar cell modules therefore represent an important contribution towards more widespread use of BIPV in buildings.

How do you COLOR PV panels?

A row of colored modules at the SolarBEAT facility. There are currently two main approaches to coloring PV panels: a technique consisting of pigment-based coloration, and a structural coloration method. The first technique refers to the application of dyes and pigments that mainly absorb and partially reflect specific parts of the spectrum.

Can photovoltaic panels be used as building elements?

Aesthetic aspects must be considered when photovoltaic panels are applied as building elements. Colours can be added by reflecting some of the sunlight that otherwise could have been utilized for electricity generation. Reflectance spectra of commercial solar cell modules have been measured and analysed.

How can photonic pigments be implemented in PV modules?

Photonic pigments can be implemented in PV modules in different ways. When it comes to glass color integration, color can be applied by screen printing, roller coating and spray application on the front glass, or in the encapsulant film that can be placed right after it.

Can a colored PV panel be reflected or absorbed?

"When we want a colored PV panel, we have to accept that not all the visible solar spectrum will be transmitted to the cell, but part of it will be reflected or absorbed," he stated.

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