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Title: Solar cell module color deviation

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With an accurate and quick way to predict a module's color, researchers can avoid costly experimentation when (i) predicting how cell color will change after encapsulation, (ii) ...

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Colored PV cells offer aesthetic versatility, making them suitable for integrated architectural applications. However, these materials affect the performance of the final product. ...

To determine the color difference for two solar cells or modules with an ITO thickness deviation of 5 nm, DE2000 values were calculated and plotted as a function of ITO thickness, as shown in ...

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In this article, we investigate the reflectance spectra variation caused by the variation of indium tin oxide thickness and incidence angle of sunlight based on the well-known ...

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It was used to evaluate the reflectance and Yellowness Index in a row defined on the surface of the PV solar module that covers this gradation of color and to check the ...

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