# Sodium attached to the front of solar glass



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In this work, we use complementary microscopy and spectroscopy techniques to show that Na diffusion occurs in the fabrication process of PSMs. Na diffuses vertically inside ...

Under outdoor conditions, PV modules often experience high system voltages, leading to the migration of sodium ions. This movement is primarily driven by an electric field ...

Abstract: Sodium induced shunting continues to be a challenging issue in crystalline Si solar modules. Potential-Induced Degradation of the Shunting type (PID-s) has ...

It is found that Na+ ions are highly detrimental to the HJT cell architecture. When the front side is exposed to Na+, the series resistance (Rs) increases, likely due to corrosion of the finger ...

Soda-lime glass with a concentration of sodium around 13-15% is widely used both as cell substrate and as front layer in PV modules. Glass is not a static material and Na ...

In this work, we use complementary microscopy and spectroscopy techniques to show that Na diffusion occurs in the fabrication process of PSMs. Na diffuses vertically inside P1 lines and ...

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