

Title: Solar glass back electrode layer

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Flash lamp annealing (FLA), a rapid annealing technique with a millisecond-order duration, can form polycrystalline silicon (poly-Si) films of a few μm thickness on glass substrates by ...

To allow large-area cells with a good fill factor, the poly-Si film must be grown on a glass substrate coated with a conductive film ("back electrode"). The material located between ...

In this work we study in-depth the antireflection and filtering properties of ultrathin-metal-film-based transparent electrodes (MTEs) integrated in thin-film solar cells.

Herein, we discuss the classification of BC-PSCs based on the position of rear electrodes, including interdigitated and quasi-interdigitated structures.

In this work, low-cost molybdenum (Mo) prepared by magnetron sputtering is demonstrated to serve as a back electrode in superstrate structured Sb₂S₃ solar cells for the first time.

Using a dielectric Bragg reflector as infrared reflecting back electrode, the optimized design reaches a maximum power conversion efficiency (PCE) of 8.79% with an overall light ...

Here, we report a bilayer back electrode configuration consisting of an Ni-doped natural graphite layer with a fusible Bi-In alloy. This back electrode can be deposited in a ...

The influence of the glass-frit coating on the formation of the back-surface field and electrical characteristics of the resulting Al electrode were investigated.

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