

The internal structure of a cadmium telluride solar panel

OverviewBackgroundHistoryTechnologyMaterialsRecyclingEnvironmental and health impactMarket viabilityCadmium telluride (CdTe) photovoltaics is a photovoltaic (PV) technology based on the use of cadmium telluride in a thin semiconductor layer designed to absorb and convert sunlight into electricity. Cadmium telluride PV is the only thin film technology with lower costs than conventional solar cells made of crystalline silicon in multi-kilowatt systems.

1.1 Cadmium telluride (CdTe) and 1.5 eV for single crystal form.[3] It shows excellent electrical and optical properties (Table. 1). Since it is used in various optoelectronics devices. Solar cells ...

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