

SolarTech Power Solutions

Multi-layer solar panel solar modules



Overview

Multi-junction (MJ) solar cells are solar cells with multiple p-n junctions made of different semiconductor materials. Each material's p-n junction will produce electric current in response to different wavelengths of light. The use of multiple semiconducting materials allows the absorbance of a broader range of wavelengths, improving the cell's sunlight to electrical energy conversion efficie. DescriptionTraditional photovoltaic cells are commonly composed of with metallic contacts deposited on the top and bottom. The doping is normally applied to a thin layer on the top of the cell, producing a with.

The majority of multi-junction cells that have been produced to date use three layers (although many tandem a-Si:H/mc-Si modules have been produced and are widely available). However, the triple junction cel.

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