

HIT photovoltaic module



HIP-230HDE1
HIP-225HDE1

The SANYO HIT (Heterojunction with Intrinsic Thin layer) solar cell is made of a thin mono crystalline silicon wafer surrounded by ultra-thin amorphous silicon layers. This product provides the industry's leading performance and value using state-of-the-art manufacturing techniques.

Benefit in Terms of Performance

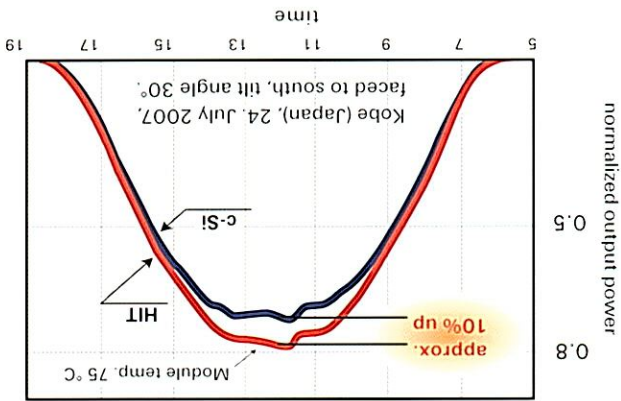
The HIT cell and module have very high conversion efficiency in mass production.

Model	Cell Efficiency	Module Efficiency
HIP-230HDE1	19.2%	16.6%
HIP-225HDE1	18.8%	16.2%

High performance at high temperatures

Even at high temperatures, the HIT solar cell can maintain higher efficiency than a conventional crystalline silicon solar cell.

[Changes in generated power daytime]



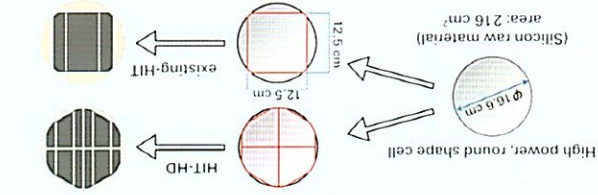
Environmentally-Friendly Solar Cell

More Clean Energy

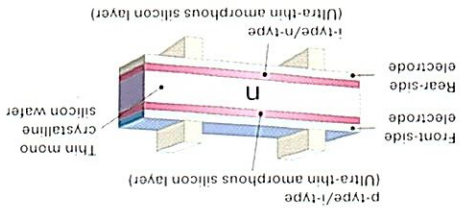
HIT can generate more clean Energy than other conventional crystalline solar cells.

A module that uses silicon resources effectively

The newly developed "Honeycomb Design" HD cell allows the maximum number of round-type, high-power cells to be arrayed in a single module.



HIT Solar Cell Structure



Development of HIT solar cell was supported in part by the New Energy and Industrial Technology Development Organization (NEDO).