**HIT® photovoltaic module**

**HIT-N240SE10**
**HIT-N235SE10**
**HIT-N230SE10**

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**HIT cell technology**

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.

**Environmentally-Friendly Solar Cell**

More Clean Energy

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

**Special Features**

SANYO HIT solar modules are 100% emission free, have no moving parts and produce no noise. The dimensions of the HIT modules allow space-saving installation and achievement of maximum output power possible on given roof area.

**High performance at high temperatures**

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

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**Benefit in Terms of Performance**

The SANYO HIT (Heterojunction with Intrinsic Thin layer) solar cell provides state-of-the-art performance with 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.

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**Light capturing technology**

- Reducing reflection and scattering of incoming light
- Improving generated electricity levels in morning and evening times

**R&D technology adaptation**

- Improvement of the cell efficiency to reduce
  - Carrier recombination loss
  - Optical absorption loss
  - Resistance loss

**Three tabs application**

- Reducing electrical loss between the cell fingers and tabs
- Making the tab width thinner to expand the light receiving surface

**New tab design**

- Ultra-thin amorphous silicon layer

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**Anti-reflection glass**

- Carrier recombination loss
- Optical absorption loss
- Resistance loss

**Improvement of the cell efficiency to reduce**

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**HIT® Solar Cell Structure**

Ultra-thin amorphous silicon layer

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**Anti-reflection glass**

- Reducing reflection and scattering of incoming light
- Improving generated electricity levels in morning and evening times

**Changes in generated power daytime**

**Model** | **Cell Efficiency** | **Module Efficiency** | **Output / m²**
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HIT-N240SE10 | 21.6% | 19.0% | 190 W/m²
HIT-N235SE10 | 21.1% | 18.6% | 186 W/m²
HIT-N230SE10 | 20.7% | 18.2% | 182 W/m²

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**HIT is a registered trademark of SANYO Electric Co., Ltd.**

The name "HIT®" comes from "Heterojunction with Intrinsic Thin-layer" which is an original technology of SANYO Electric Co., Ltd.

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**www.sanyo-solar.eu**

SANYO Component Europe GmbH
CAUTION! Please read the installation manual carefully before using the products.

Due to our policy of continual improvement the products covered by this brochure may be changed without notice.