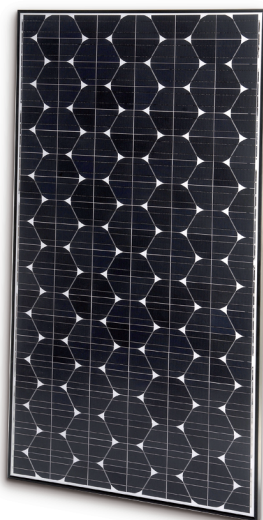


HIT HDE4 - Series

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

For example, in the HIT-240HDE4, high efficiency cell: 20,0%, Module: 17,3%. The HIT cell and module have the world's highest level of conversion efficiency in mass production. Even at high temperatures, the HIT solar cell can maintain higher efficiency than a conventional crystalline silicon solar cell.



Environmental Friendly Solar Cell

HIT can generate more annual power output per unit area than other conventional crystalline silicon solar cells. 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.

Benefit in Terms of Quality

High quality in accordance with ISO 9001 and 14001 standards. HIT solar cell and modules are subject to strict inspections and measurements to ensure compliance with electrical, mechanical and visual criteria.

More effective use of silicon resources

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

| | HIT-235HDE4 | HIT-240HDE4 |
|--|---|--|
| Rated output at Pmax (W) | 235 (+10/-5%) | 240 (+10/-5%) |
| MPP voltage (V) | 35,1 | 35,5 |
| MPP current (A) | 6,70 | 6,77 |
| Open-circuit voltage (V) | 43,4 | 43,6 |
| Short-circuit current (A) | 7,33 | 7,37 |
| Max. system voltage (V) | 1000 | 1000 |
| Temp. coeff. VOC (V /°C) | -0,109 | -0,109 |
| Temp. coeff ISC (mA /°C) | 2,20 | 2,21 |
| Dimensions, L x W x D (mm) | 1610 x 861 x 35 | 1610 x 861 x 35 |
| Weight (kg) | 16,5 | 16,5 |
| Manufacturer's performance warranty* (years) | 20 | 20 |
| Manufacturer's product warranty (years) | 5 | 5 |
| Certificates | IEC 61730, IEC 61215, TÜV, protection class II, CE | IEC 61730, IEC 61215, TÜV, protection class II, CE |
| * | *10 years on 90%, 20 years on 80% of the specified output | |