



MORE ENERGY PER M<sup>2</sup>

## Sanyo HIT-N235SE10, HIT-N240SE10

### HYBRID SOLAR MODULES

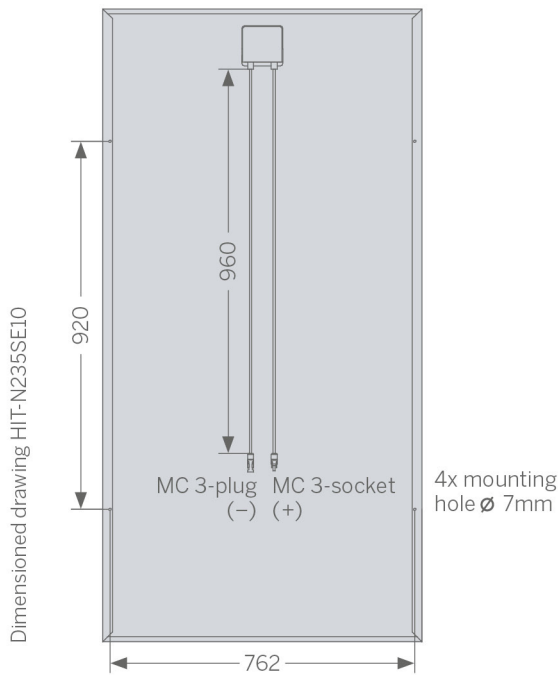
The new modules of the HIT® N series achieve the best performance per square meter and are also thus particularly suited for small roof areas. The module glass with anti-reflective coating (ARC) ensures high power output even in low light and increases light trapping. Compared with the previous module, the HIT-N235SE10 uses two instead of three contacts, thus reducing the electrical losses of the cell and boosting efficiency. Thanks to the high-performance cell technology, you can also count on excellent output at high module temperatures. All that, plus a visually appealing design.

#### HIGHLIGHTS

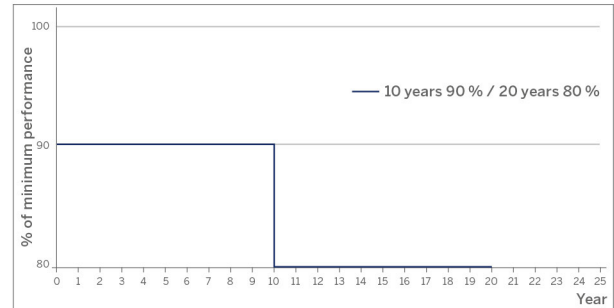
- Suitable for grid-connected systems
- Tested according IEC 61215 for snow loads up to 2400

Pa (ca. 245 kg/m<sup>2</sup>)

- Power tolerance -5/+10%
- Power warranties\*
  - 10 years (90%)
  - 25 years (80%)
- 10-year product warranty\*
- IEC 61730, Application Class A for system voltages up to 1000 V
- 100% end control with individual registration of the electrical characteristics for each module
- Quality tested by IBC SOLAR in own laboratory with climate chambers and flasher with integrated electroluminescence measurement



Progression of the power warranty



## TECHNICAL DATA

Sanyo HIT-	N235SE10	N240SE10
STC Power Pmax (Wp)	235	240
STC Nominal Voltage Umpp (V)	43,0	43,7
STC Nominal Current Impp (A)	5,48	5,51
STC Open circuit voltage Uoc (V)	51,8	52,4
STC Short circuit current Isc (A)	5,84	5,85
800 W/m <sup>2</sup> NOCT AM1.5 Power Pmax (Wp)	178	182
800 W/m <sup>2</sup> NOCT AM1.5 Nominal Voltage Umpp (V)	40,5	41,1
800 W/m <sup>2</sup> NOCT AM1.5 Open Circuit Voltage Uoc (V)	48,9	49,4
800 W/m <sup>2</sup> NOCT AM1.5 Short Circuit Current Isc (A)	4,70	4,71
Rel. efficiency reduction @ 200W/m <sup>2</sup> (%)	3	3
Tempcoeff Isc (%/°C)	+0,03	+0,03
Tempcoeff Uoc (mV/°C)	-130	-131
Tempcoeff Pmpp (%/°C)	-0,3	-0,3
Module Efficiency (%)	18,6	19,0
NOCT °C	44	44
Max. System Voltage (V)	1000	1000
Current value String fuse (A)	15	15
Fuse protection from parallel strings	2	2
Length (mm)	1580	1580
Width (mm)	798	798
Height (mm)	35	35
Weight (kg)	15,0	15,0
Articlenumber	2600700021	2600700026

Your IBC SOLAR partner:

05.07.2011

\* Product and power warranty in accordance with the version of the full warranty conditions received from your specialized IBC SOLAR partner at the time of installation. This warranty is valid only when the relevant product is installed in accordance with the applicable installation instructions. Electrical values under standard test conditions: 1000W/m<sup>2</sup>; 25°C, AM1.5, 800 W/m<sup>2</sup>, NOCT. Specifications according EN60904-3 (STC). All datas according DIN EN 50380. Subject to modifications that represent process.