SOLAR MODULES HYBRID TECHNOLOGY

Sanyo HIP-205NKHE1, HIP-210NKHE1, HIP-215NKHE1

PRODUCT ADVANTAGES:

Applicable for grid-connected systems

Power warranties*
- 25 years (80 %)
- 10 years (90 %)

2 years product guarantee*

Power tolerance +10 % ... −5 %

IEC 61215 certified

ISO 9001 and 14001

IEC 61730, Application Class A for a system voltage up to 1000 V

Hybrid cells, consisting of a mono-crystalline cell, thinly coated with amorphous silicon

HIT cells and modules have the highest efficiency levels in the world

Environmentally friendly thanks to its unleaded HIT solar cells
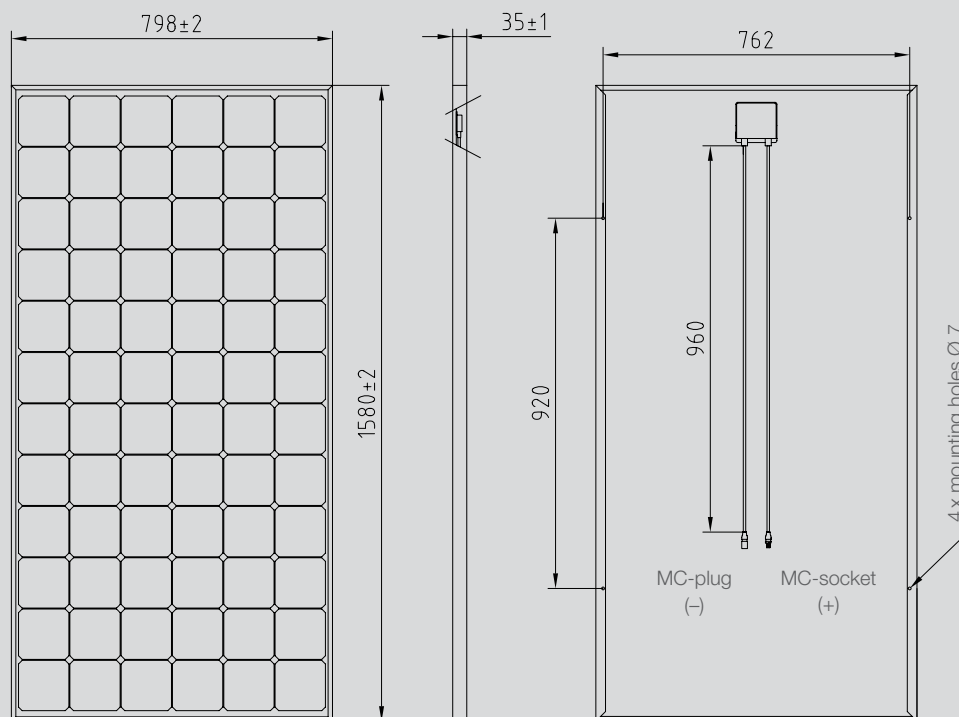
Fast and inexpensive mounting:
- Delivered ready for connection
- Pre-confectioned cables
- Multi-Contact plug-in connectors
- Integrated bypass diodes

Homogeneous colouring of frame and module surface high-class, harmonic appearance

72 hybrid cells (125 mm x 125 mm) configured geometrically for a 6 x 12 matrix; connected in series

100 % end control with individual registration of the electrical characteristics

Dimensioned drawing Sanyo HIP-205NKHE1, Sanyo HIP-210NKHE1, HIP-215NKHE1

TECHNICAL DATA

Sanyo HIP		205NKHE1	210NKHE1	215NKHE1
Nominal peak power	Wp	205,0	210,0	215,0
Guaranteed minimum power	Wp	194,7	199,5	204,2
Nominal voltage	V	40,7	41,3	42,0
Nominal current	A	5,05	5,09	5,13
Short-circuit voltage	V	50,3	50,9	51,6
Short-circuit current	A	5,54	5,57	5,61
Temperature coefficient of I_{sc}	%/K	0,030	0,030	0,030
Temperature coefficient of U_{oc}	mV/K	−126	−127	−129
Temperature coefficient of P_{max}	%/K	−0,30	−0,30	−0,30
Length	mm	1580	1580	1580
Width	mm	798	798	798
Height	mm	35	35	35
Weight	kg	15,0	15,0	15,0
Assembly holes Ø 7 mm	Pieces	4	4	4
Article numbers		260070205NKHE1	260070210NKHE1	260070215NKHE1

* The complete and individual valid guarantee conditions are relevant, which will be handed out by your IBC-representative on request.

Electrical values under standard test conditions: 1000 W/m²; 25 °C; AM 1.5.
Subject to modifications that represent progress.

07-2008