

The HIT Power Roof uses the new MVL² system and can replace any traditional roof.

Ultra thin

With only 50 mm thickness, it can be integrated onto any kind of roof, with any kind of tile, keeping a completely flat looking surface.

Simplified installation

Thanks to the inter-module interlocking system.



Long-term reliability

Association of SANYO's and MECOSUN's know-how.
Well-known innovators in the photovoltaic and BIPV sector

For new buildings or renovation
Replaces traditional tiles or roofing material while ensuring complete water-tightness

Cost effective

Aesthetic design

Black and harmonious
All visible parts including the flashings and cells are black.

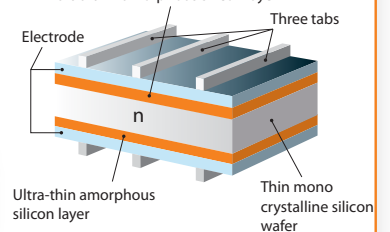
Produces a 100% green energy
Made in Europe. More than 95% of the system can be recycled

Ecological

HIT technology

This unique technology has been developed by SANYO and provides one of the highest market performances. The HIT Power Roof cells have a 20.8% conversion efficiency.

HIT[®] solar cell structure



High performance at high temperatures

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

* by using 12 modules of HIT-H250BE01

HIT[®] Power Roof
Photovoltaic Module

Compact
3kW*
with only
21m²



Electrical data (at STC)

Models HIT-HxxxBE01

250 245

Maximum power (Pmax) [W]	250	245
Max. power voltage (Vmp) [V]	34.9	34.4
Max. power current (Imp) [A]	7.18	7.14
Open circuit voltage (Voc) [V]	43.1	42.7
Short circuit current (Isc) [A]	7.74	7.73
Maximum over current rating [A]	15	
Output power tolerance [%]	+10/-5*	
Maximum system voltage [V]	1000	

Note: Standard Test Conditions: Air mass 1.5, Irradiance = 1000W/m², cell temperature = 25°C

* All modules measured by SANYO facility have output with positive tolerance

Temperature characteristics

250 245

Temperature (NOCT) [°C]	46.0	46.0
Temperature coefficient of Pmax [%/°C]	-0.30	-0.30
Temperature coefficient of Voc [V/°C]	-0.108	-0.107
Temperature coefficient of Isc [mA/°C]	2.32	2.32

At NOCT

250 245

Maximum power (Pmax) [W]	188.9	185.4
Max. power voltage (Vmp) [V]	32.8	32.4
Max. power current (Imp) [A]	5.76	5.73
Open circuit voltage (Voc) [V]	40.5	40.1
Short circuit current (Isc) [A]	6.23	6.23

Note: Nominal Operating Cell Temperature: Air mass 1.5 spectrum, Irradiance = 800W/m², Air temperature = 20°C, wind speed 1 m/s

At low irradiance

250 245

Maximum power (Pmax) [W]	48.8	47.7
Max. power voltage (Vmp) [V]	34.1	33.6
Max. power current (Imp) [A]	1.43	1.43
Open circuit voltage (Voc) [V]	40.1	39.7
Short circuit current (Isc) [A]	1.55	1.55

Note: Low irradiance: Air mass 1.5 spectrum, Irradiance = 200W/m², cell temperature = 25°C

Guarantee

Power output: 10 years (90% of Pmin) 25 years (80% of Pmin)

Product workmanship: 10 years
(Based on guarantee documents)

Materials

Cell material: Honeycomb Design HIT cells

Glass material: AR coated tempered glass

Frame materials: Black anodized aluminium

Connector type: MC3

Certificates



- Quality tested, IEC 61215
- Safety tested, IEC 61730
- Periodic inspection



NF EN 15601

PassInnovation 2011-039

CEIAB 0220-P



Member of



Field of use

Range of slope	12 to 50°
Wind zone (based on NV 65)	Zone 4
Snow zone (based on NV 65)	Zone D - 900 m

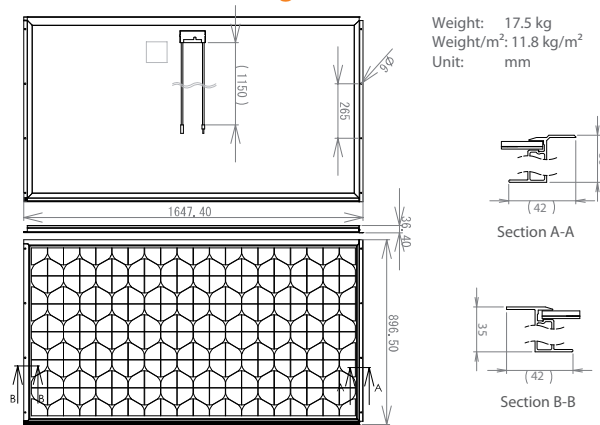
Technical characteristics

Weight/m ²	16.4 kg/m ²
Max. distance between support beams	1 m
Max. roof length	13.5 m
System height	50 mm
Flashings available for	curved tiles flat tiles slate tiles
Flashing color	standard black (other colors on demand)
Possible system shapes	rectangles, T, L and U shapes

Guarantee

Product: 10 years
(based on guarantee documents)

Dimensions and weight



Please consult your local dealer for more information.

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.