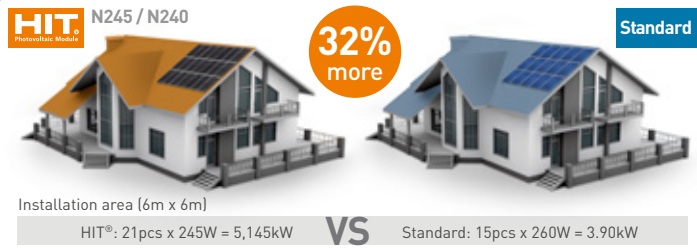


Photovoltaic module HIT® VBHN245SJ25 / VBHN240SJ25

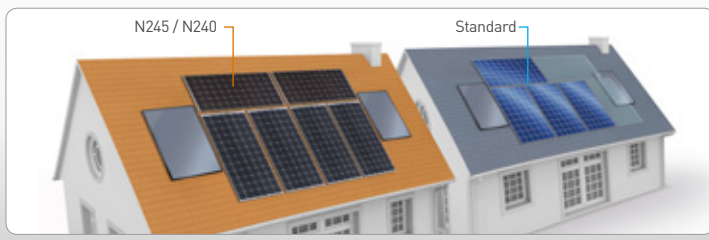
Powerful

Industry top-level output for a PV module < 1,3m²
Top level efficiency makes more power on your roof.
(Module Efficiency:19,4%, Cell Efficiency:22,0%)



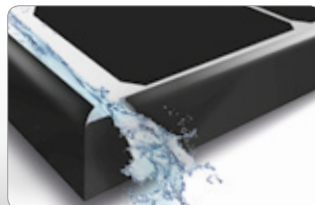
Slim size

More flexibility in a limited width of roof



Unique water drainage

on each corner for an improved self-cleaning



245W / 240W

High Efficiency

+ High Performance at High Temperatures

= High Power Generation

QUALITY PROVEN 4 WAYS

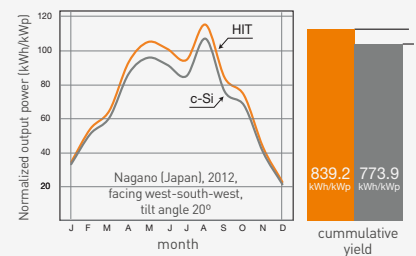
1 Guaranteed by Panasonic

- IEC and over 20 Panasonic internal tests
- 40 years experience, longer than our 25 years Guarantee



3 Higher yield on field test

8% more yield than standard c-Si solar modules



2 Record low claim rate

0.0038% failure rate after more than 10 years experience in Europe (as of Jan.2015)

4 3rd Party verified

- Lifecycle testing (Long-Term-Sequential-Test) by TÜV Rheinland (tested on VBHN240SE10)
- PID-free (by Fraunhofer Institute)

HIT® is a registered trademark of Panasonic Group.

Electrical data (at STC)

	VBHN245SJ25	VBHN240SJ25
Max. power (Pmax) [W]	245	240
Max. power voltage (Vmp) [V]	44.3	43.6
Max. power current (Imp) [A]	5.54	5.51
Open circuit voltage (Voc) [V]	53.0	52.4
Short circuit current (Isc) [A]	5.86	5.85
Max. over current rating [A]	15	
Production tolerance power [%]	+10/-5 *	
Max. system voltage [V]	1000	
Solar Panel efficiency [%]	19.4	19.0

Note: Standard Test Conditions: Air mass 1.5; Irradiance = 1000W/m²; cell temp. 25°C
 * All modules measured by Panasonic facilities have an output with positive tolerance.

Temperature characteristics

Temperature (NOCT) [°C]	44.0	44.0
Temp. coefficient of Pmax [%/°C]	-0.29	-0.29
Temp. coefficient of Voc [V/°C]	-0.133	-0.131
Temp. coefficient of Isc [mA/°C]	1.76	1.76

At NOCT (Normal Operating Conditions)

Max. power (Pmax) [W]	187.4	183.2
Max. power voltage (Vmp) [V]	42.5	41.7
Max. power current (Imp) [A]	4.41	4.39
Open circuit voltage (Voc) [V]	50.3	49.7
Short circuit current (Isc) [A]	4.71	4.71

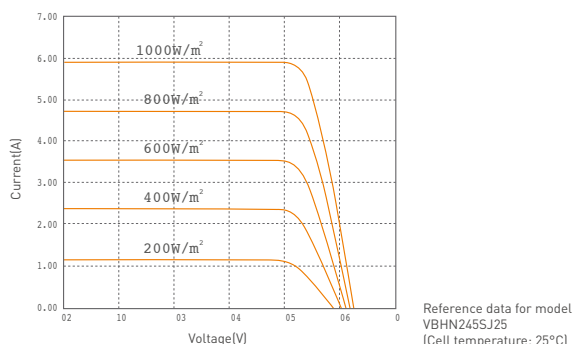
Note: Normal Operating Cell Temp.: Air mass 1.5; Irradiance = 800W/m²; Air temperature 20°C; wind speed 1 m/s

At low irradiance (20%)

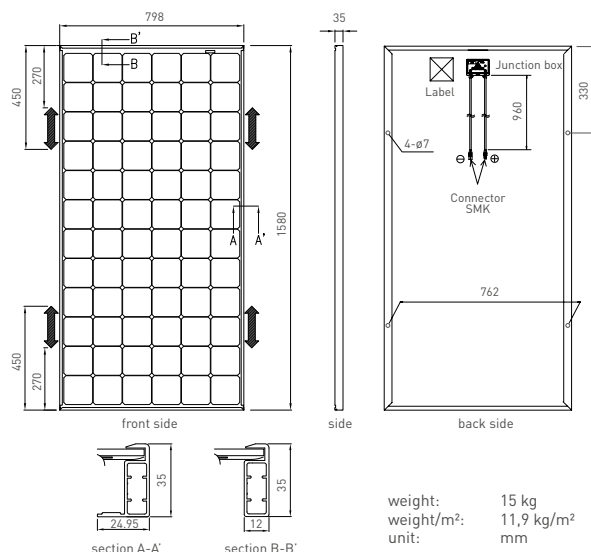
Max. power (Pmax) [W]	47.0	45.9
Max. power voltage (Vmp) [V]	43.2	42.2
Max. power current (Imp) [A]	1.09	1.09
Open circuit voltage (Voc) [V]	49.6	49.0
Short circuit current (Isc) [A]	1.17	1.17

Note: Low irradiance: Air mass 1.5; Irradiance = 200W/m²; cell temp. = 25°C

Dependence on irradiance



Dimensions and weight



Guarantee

Power output: 10 years (90% of Pmin), 25 years (80% of Pmin)
 Product workmanship: 10 years (based on guarantee document)

Materials

Cell material: 5 inch photovoltaic cells
 Glass material: AR coated tempered glass
 Frame materials: Black anodized aluminium
 Connectors type: SMK

Certificates



IEC61215
 IEC61730-1
 IEC61730-2



Please consult your local dealer for more information

CAUTION! Please read the installation manual carefully before using the products.

Used electrical and electronic products must not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation



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05/2015