

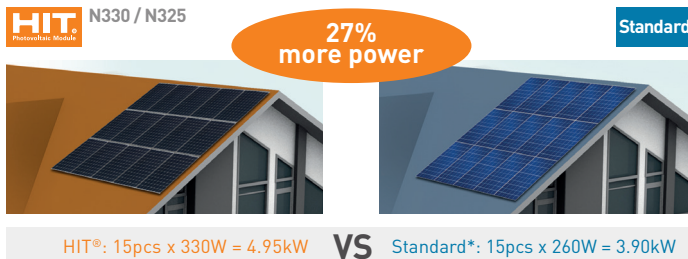
Photovoltaic module HIT[®] VBHN330SA16/VBHN325SA16

N 330/N 325



19.7% module efficiency

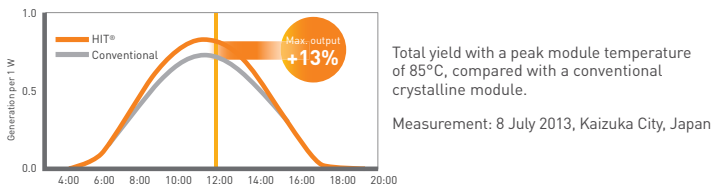
Enables reaching a higher output and lower specific installation and balance-of-system costs than with the same number of standard 60-cell modules.



*Conventional crystalline module

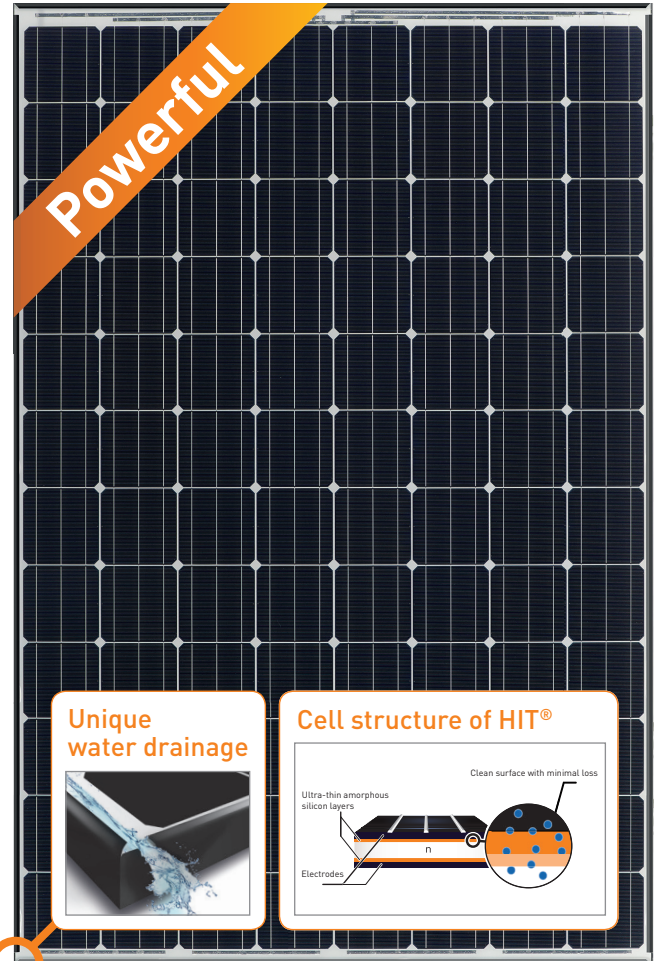
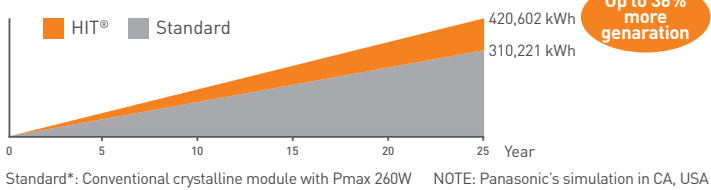
High performance in high temperature

Low temperature coefficient of HIT[®] (-0.30%/°C) allows them to maintain high efficiency and performance even in hot temperatures, producing more energy throughout the day.



More energy, higher profit!

Helping you reach a higher final profit with your PV system!



330W/325W

High Efficiency + High Performance at High Temperatures = High Power Generation

QUALITY PROVEN 4 WAYS

1 Panasonic Quality

- IEC and over 20 Panasonic internal tests
- Vertically integrated own manufacturing (wafer, cell and module)



3 100% Panasonic, 100% HIT[®]

Proudly featuring Panasonic's original invention, the heterojunction solar cell. With over 1 billion cells produced commercially over 18 years, 25 years after the breakthrough in the development and looking back to over 40 years of experience in solar, Panasonic really offers you a 25-year guarantee you can trust.



2 Record low claim rate

Long term mass-production experience enables 15-year product workmanship warranty exceeding the market standard (10 years).

4 3rd Party verified

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



Electrical and Mechanical Characteristics

VBHN330SA16, VBHN325SA16

Electrical Specifications

| Model | VBHN330SA16 | VBHN325SA16 |
|---------------------------------|-------------|-------------|
| Rated Power (Pmax) ¹ | 330W | 325W |
| Maximum Power Voltage (Vpm) | 58.0V | 57.6V |
| Maximum Power Current (Ipm) | 5.70A | 5.65A |
| Open Circuit Voltage (Voc) | 69.7V | 69.6V |
| Short Circuit Current (Isc) | 6.07A | 6.03A |
| Temperature Coefficient (Pmax) | -0.30%/°C | -0.30%/°C |
| Temperature Coefficient (Voc) | -0.174V/°C | -0.174V/°C |
| Temperature Coefficient (Isc) | 1.82mA/°C | 1.82mA/°C |
| NOCT | 49.2°C | 49.2°C |
| CEC PTS Rating | 306.5W | 301.7W |
| Cell Efficiency | 22.09% | 21.76% |
| Module Efficiency | 19.7% | 19.4% |
| Watts per Ft. ² | 18.3W | 18.0W |
| Maximum System Voltage | 600V | 600V |
| Series Fuse Rating | 15A | 15A |
| Warranted Tolerance (-/+) | +10%/-0%* | +10%/-0%* |

Mechanical Specifications

| Model | VBHN330SA16, VBHN325SA16 |
|-------------------------------------|--|
| Internal Bypass Diodes | 4 Bypass Diodes |
| Module Area | 18.02 Ft. ² (1.67m ²) |
| Weight | 40.81 Lbs. (18.5kg) |
| Dimensions LxWxH | 62.6x41.5x1.4 in. (1590x1053x35 mm) |
| Cable Length +Male/-Female | 40.2/40.2 in. (1020/1020 mm) |
| Cable Size / Type | No. 12 AWG / PV Cable |
| Connector Type ² | Multi-Contact® Type IV (MC4™) |
| Static Wind / Snow Load | 50 PSF (2400 Pa) |
| Pallet Dimensions LxWxH | 63.7x42.2x5.5 in. (1618x1071x140 mm) |
| Quantity per Pallet / Pallet Weight | 40 pcs. /1719 Lbs. (780 kg) |
| Quantity per 40' Container | 560 pcs. |
| Quantity per 20' Container | 240 pcs. |

Operating Conditions & Safety Ratings

| Model | VBHN330SA16, VBHN325SA16 |
|--------------------------------|---|
| Operating Temperature | -40°F to 185°F (-40°C to 85°C) |
| Hail Safety Impact Velocity | 1" hailstone (25mm) at 52 mph (23m/s) |
| Safety & Rating Certifications | UL 1703, cUL, CEC |
| UL 1703 Fire Classification | Type 2 |
| Limited Warranty | 15 Years Workmanship, 25 Years Power Output |

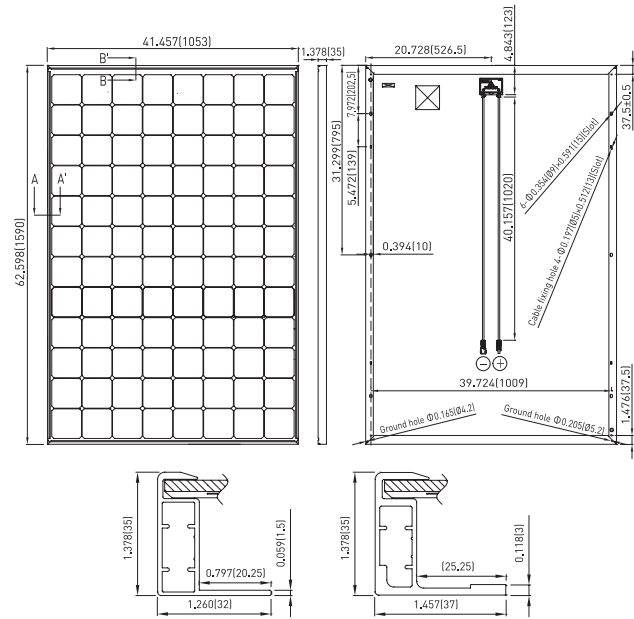
Note: Standard Test Conditions: Air mass 1.5; irradiance = 1000W/m²; cell temp. 25°C
^{*}Maximum power at delivery. For guarantee conditions, please check our guarantee document.

¹STC: Cell temp. 25°C, AM1.5, 1000W/m²

²Safety locking clip (PV-SSH4) is not supplied with the module.

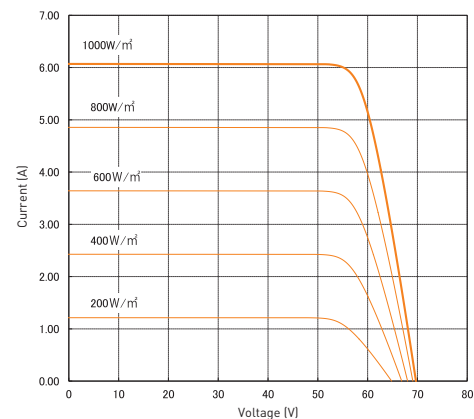
Note: Specifications and information above may change without notice.

Dimensions



Unit: inches (mm)

Dependence on Irradiance



Reference data for model: VBHN330SA16
 (Cell temperature: 25°C)

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.