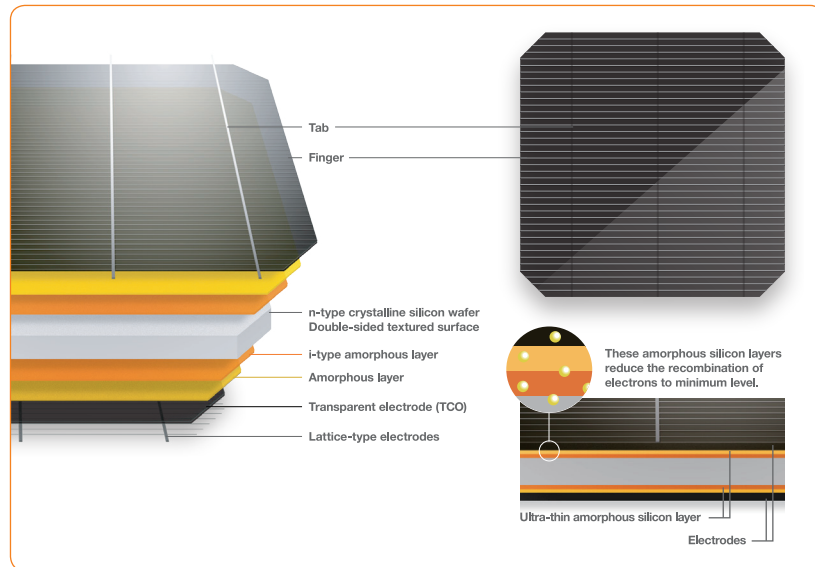


Panasonic

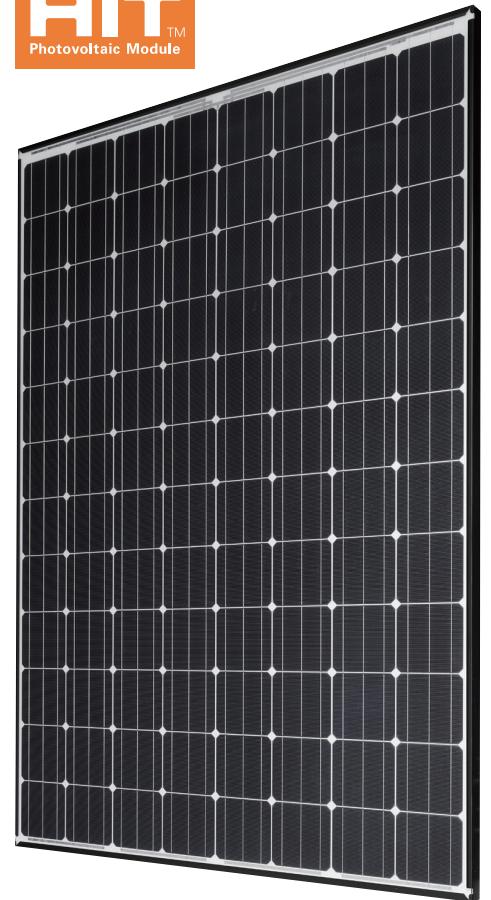
Photovoltaic module HIT N330/ 325

Powerful and efficient, designed to get the most out of your roof!

Our powerful Panasonic HIT N330 features a high module efficiency of **19.7%**, an industry leading temperature coefficient of **-0.258%/°C** and a sleek design.



Panasonic's unique heterojunction technology uses ultra-thin amorphous silicon layers. These thin dual layers reduce losses, resulting in higher energy output than conventional panels.



5400 Pa resistible

Our competitive advantages



High Performance at High Temperatures

As temperature increases, HIT continues to perform at high levels due to the industry leading temperature coefficient of $-0.258\%/^{\circ}\text{C}$. No other module even comes close to our temperature characteristics. That means more energy throughout the day and particularly in summer.



25 Year Performance Warranty**

Industry leading 25 year performance warranty is backed by a century old company - Panasonic. Power output is warrantied to 86.2% after 25 years. That means you can have more a lot of power when you consider the long period generation.



Quality and Reliability

Panasonic's vertical integration, over 20 years of experience manufacturing HIT and 20 internal tests 3-times beyond those mandated by current standards provide extreme quality assurance.



Higher efficiency 19.7% (330W)

Enables higher power output and greater energy yields. HIT provides maximum production for your limited roof space.



Low Degradation

HIT "N-type" cells result in extremely Low Light Induced Degradation (LID) and zero Potential Induced Degradation (PID) which supports reliability and longevity. This technology reduces annual degradation, guaranteeing more power for the long haul.



Unique water drainage

The water drainage system gives rain, water and snow melt a place to go, reducing water stains and soiling on the panel. Less dirt on the panel means more sunlight getting through to generate power.

Photovoltaic module HIT N330/ 325

ELECTRICAL SPECIFICATIONS (at STC*1)

Model	VBHN330SJ53	VBHN325SJ53
Maximum Power (Pmax)	330 W	325 W
Maximum Power Voltage (Vpm)	58.0 V	57.6 V
Maximum Power Current (Ipm)	5.70 A	5.65 A
Open Circuit Voltage (Voc)	69.7 V	69.6 V
Short Circuit Current (Isc)	6.07 A	6.03 A
Max. Power at NOCT (Normal Operating Conditions)	253.5 W	249.3 W
Temperature Coefficient (Pmax)	-0.258 %/°C	-0.258 %/°C
Temperature Coefficient (Voc)	-0.164 V/°C	-0.164 V/°C
Temperature Coefficient (Isc)	3.34 mA/°C	3.32 mA/°C
NOCT	44.0 °C	44.0 °C
Module Efficiency	19.7 %	19.4 %
Maximum System Voltage	1000 V	1000 V
Series Fuse Rating	15 A	15 A
Power Tolerance	+10 %/ -0 %*2	+10 %/ -0 %*2

*1 STC: Standard Test Conditions: Air mass 1.5; irradiance = 1000 W/m²; cell temp. 25 °C
 *2 Maximum power at delivery. For warranty conditions, please check our warranty document.

MECHANICAL SPECIFICATIONS

Model	VBHN330SJ53, VBHN325SJ53
Internal Bypass Diodes	4 Bypass Diodes
Module Area	1.67 m ²
Weight	19 kg
Dimensions LxWxH	1590 mm x 1053 mm x 40 mm
Cable Length +Male/ -Female	1020 mm/ 1020 mm
Cable Size / Type	No. 12 AWG / PV Cable
Connector Type	SMK
Static Wind / Snow Load	5400 Pa
Pallet Dimensions L x W x H	1618 mm x 1071 mm x 2356 mm (double stack)
Quantity per Pallet / Pallet Weight	48 pcs. (2x24 pcs.) / 960 kg
Quantity per 40 ft. Container	672 pcs.

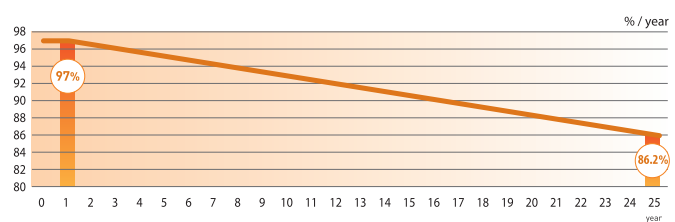
OPERATING CONDITIONS & SAFETY RATINGS

Model	VBHN330SJ53, VBHN325SJ53
Operating Temperature	-40 °C to 85 °C
Safety & Rating Certifications	IEC61215, IEC61730-1, IEC1730-2
Fire Classification	Class 1 UNI 8457, UNI 9174, UNI 9177
Limited Warranty	10 years workmanship & 25 years power output (linear)**

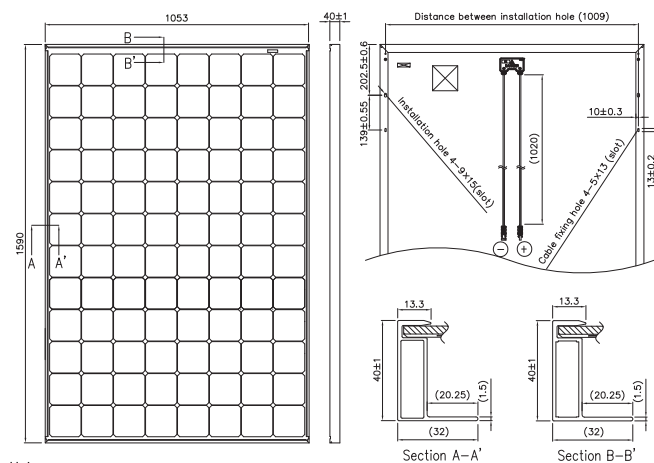
**1st year 97 %, from 2nd year -0.45 %/ year, in 25th year 86.2 %

⚠ 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.

LINEAR PERFORMANCE WARRANTY



DIMENSIONS



Unit: mm

CERTIFICATES

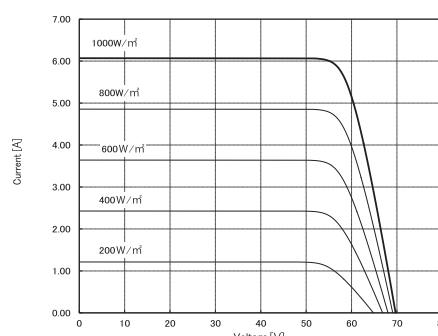


CLASS 1
 UNI 8457
 UNI 9174
 UNI 9177

IEC61215
 IEC61730-1
 IEC61730-2



DEPENDENCE ON IRRADIANCE



Reference data for model:
 VBHN330SJ53
 (Cell temperature: 25 °C)