

N330G/N325G

PRELIMINARY

HIT[®] S Series Advantage

Harvest more energy from each module

- Module-level Maximum Power Point Tracker (MPPT) allows each module to individually generate maximum energy output
- Decreases power loss from shading and module mismatch

More design flexibility for higher power efficiency

- Strings up to 6kWp in residential systems for increased design flexibility
- Individual MPPT allows modules on multiple roof facets, orientations, and tilts for more modules and higher output per system

Lower installation costs, higher ROI

- Faster installation time results in significant labor savings
- Module-level performance monitoring and remote maintenance mean less site visits and higher uptime
- Free lifetime module and system monitoring

Greater safety and protection

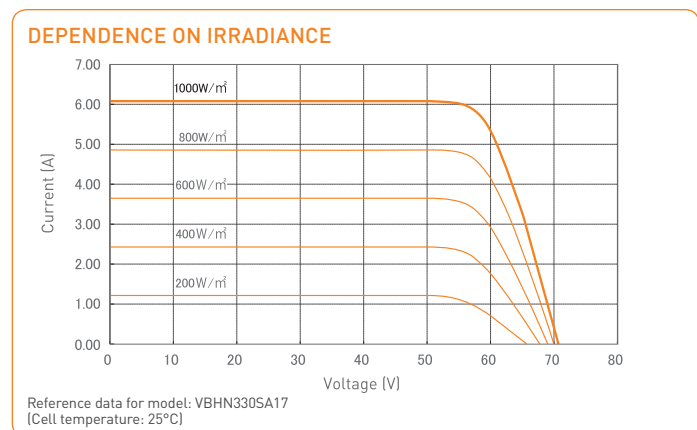
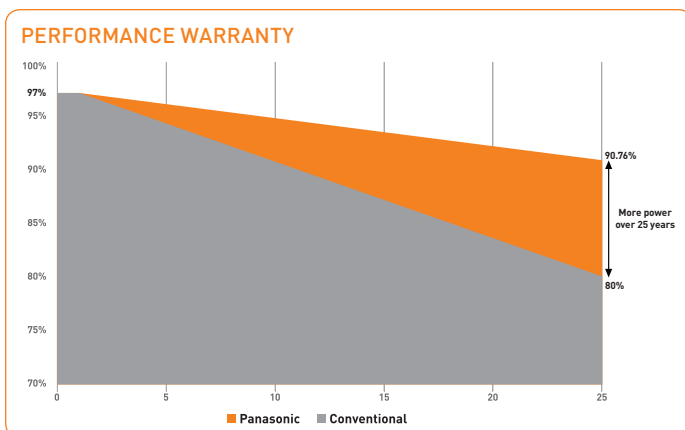
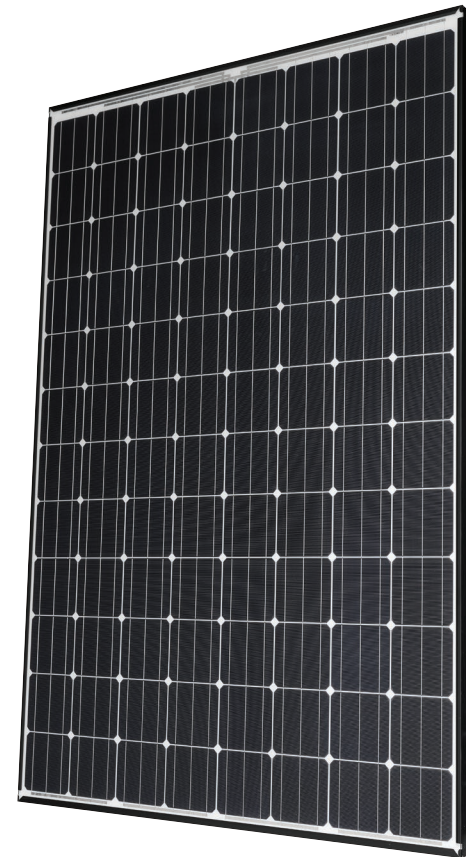
- SolarEdge SafeDC™ designed to shut down DC current and voltage to a safe level when inverter or grid power is shut down

High performance at high temperatures

Where most modules weaken and underperform in hot summer temperatures, HIT[®] S Series outperforms like no other module. Our industry-low temperature coefficient of $-0.258\%/^{\circ}\text{C}$ generates more solar power than competing models on the warmest days.

25-year TripleGuard warranty**

Backed by one of America's longest-standing brands, our comprehensive warranty covers module performance, workmanship and parts for 25 years. Our guaranteed minimum 90.76% rated power output after 25 years means you'll produce more free electricity and save more money year after year.



HIT[®] is a registered trademark of Panasonic Group

N330G/N325G

ELECTRICAL SPECIFICATIONS

Model	VBHN330SA17G	VBHN325SA17G
Rated Power (P _{max}) ¹	330W	325W
Maximum Power Voltage (V _{pm})	58.0V	57.6V
Maximum Power Current (I _{pm})	5.70A	5.65A
Open Circuit Voltage (V _{oc})	69.7V	69.6V
Short Circuit Current (I _{sc})	6.07A	6.03A
Temperature Coefficient (P _{max})	-0.258%/°C	-0.258%/°C
Temperature Coefficient (V _{oc})	-0.16V/°C	-0.16V/°C
Temperature Coefficient (I _{sc})	3.34mA/°C	3.34mA/°C
NOCT	44.0°C	44.0°C
CEC PTC Rating (Tentative)	-	-
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	VBHN330SA17G, VBHN325SA17G
Internal Bypass Diodes	4 Bypass Diodes
Module Area	18.02 Ft. ² (1.67m ²)
Weight	42.99 Lbs. (19.5kg)
Dimensions LxWxH	62.6x41.5x1.6 in. (1590x1053x40 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	112 PSF (5400Pa)
Pallet Dimensions LxWxH	65.3x43.7x48.5 in.
Quantity per Pallet / Pallet Weight	24 pcs./1098 Lbs. (498 kg)
Quantity per 40' Container	672 pcs.
Quantity per 20' Container	288 pcs.

OPERATING CONDITIONS & SAFETY RATINGS

Model	VBHN330SA17G, VBHN325SA17G
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	Module: 25** Yrs Workmanship and Power Output (Linear)*** Power Optimizer: 25 Yrs Workmanship and Materials [†]
Manufacturing Locations	USA

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.
** Installation need to be registered through our website www.panasonicusahitwarranty.com within 60 days in order to receive twenty-five (25) year Product workmanship. Otherwise, Product Workmanship will be only fifteen (15) years.

*** 1st year 97%, after 2nd year 0.26% annual degradation to year 25.

[†] Optimizer warranty provided by SolarEdge. Refer to Panasonic's HIT S Limited Warranty Document for more information.

PV SYSTEM DESIGN USING A SOLAREEDGE INVERTER

HD WAVE INVERTER SIZE	3kW	3.8 - 6kW	7.6 - 11.4 kW
Minimum String Length	8	8	8
Maximum String Length	14	17	18
Maximum Power per String (W)	4620	5610	5940
Parallel Strings of different Lengths or Orientations	Yes		

STANDARD COMPLIANCE

EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3
Safety	IEC62109-1 (class II safety), UL1741
Fire Safety	NEC 2014 and 2017

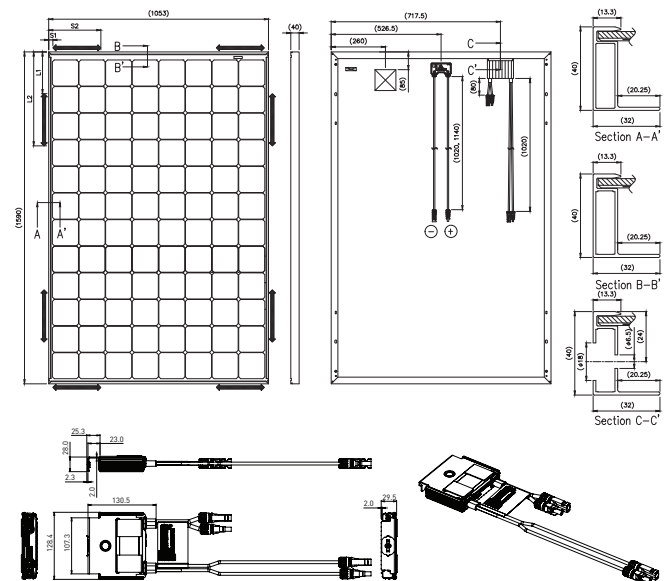
P400 OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREEDGE INVERTER)

Maximum Output Current	15	Adc
Maximum Output Voltage	60	Vdc

OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREEDGE INVERTER OR SOLAREEDGE INVERTER OFF)

Safety Output Voltage Per Power Optimizer	1 +/- 0.1	Vdc
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DIMENSIONS



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

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

NOTE: Specifications and information above may change without notice.

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.