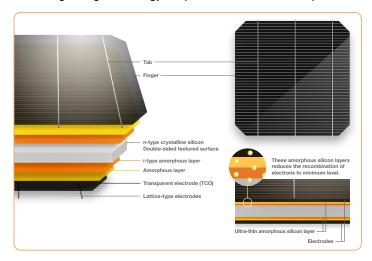




N330/N325

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.



Advanced bifacial cell designed for increased energy output. The cell utilizes sunlight reflected back from the rear side material which captures more light and converted into energy.





Our competitive advantages



High Efficiency at High Temperatures

As temperature increases, HIT® continues to perform at high levels due to the industry leading temperature coefficient of -0.258% /°C. No other module even comes close to our temperature characteristics. That means more energy throughout the day.



25 Year Product and Performance Warranty**

Industry leading 25 year product workmanship and performance warranty is backed by a century old company- Panasonic. Power output is guaranteed to 90.76% after 25 years, far greater than other companies.



Quality and Reliability

Panasonic's vertical integration, 20 years of experience manufacturing HIT® and 20 internal tests beyond those mandated by current standards provides extreme quality assurance.



Higher Efficiency 19.7%

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 to 0.26% compare to 0.70% in conventional panels, guaranteeing more power for the long haul.



Unique water drainage

The water drainage system give 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.

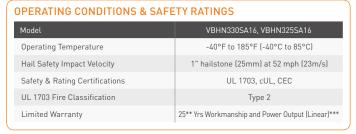


Panasonic

N330/N325

ELECTRICAL SPECIFICATIONS					
Model	VBHN330SA16	VBHN325SA16			
Rated Power (Pmax) ¹	330W	325W			
Maximum Power Voltage (Vpm)	58.0V	57.6V			
Maximum Power Current (lpm)	5.70A	5.65A			
Open Circuit Voltage (Voc)	69.7V	69.6V			
Short Circuit Current (lsc)	6.07A	6.03A			
Temperature Coefficient (Pmax)	-0.258%/°C	-0.258%/°C			
Temperature Coefficient (Voc)	-0.16V/°C	-0.16V/°C			
Temperature Coefficient (lsc)	3.34mA/°C	3.32mA/°C			
NOCT	44.0°C	44.0°C			
CEC PTC Rating	311.3W	306.5W			
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%*			

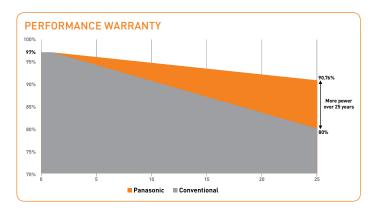
MECHANICAL SPECIFICATIONS Model Internal Bypass Diodes 4 Bypass Diodes Module Area 18.02 Ft.² (1.67m²) Weight 40.81 Lbs. (18.5kg) Dimensions LxWxH 62.6x41.5x1.4 in. (1590x1053x35 mm) Cable Length +Male/-Female 40.2/40.2 in. (1020/1020 mm) Cable Size / Type No. 12 AWG / PV Cable Connector Type² Multi-Contact® Type IV (MC4™) 50 PSF (2400 Pa) Static Wind / Snow Load Pallet Dimensions LxWxH 63 7x42 2x65 4 in Quantity per Pallet / Pallet Weight 40 pcs. /1719 Lbs. (780 kg) 560 pcs. Quantity per 40' Container Quantity per 20' Container 240 pcs.

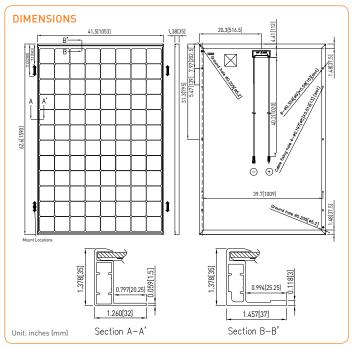


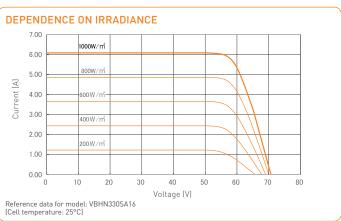
NOTE: Standard Test Conditions: Air mass 1.5; irradiance = 1000W/m²; cell temp. 25°C

- * Maximum power at delivery. For guarantee conditions, please check our guarantee document.
- ** Installation need to be registered through our website <u>www.panasonicusahitwarranty.com</u> 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.
- 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.







 Δ 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.



SolarEdge Power Optimizer

Module Add-On For North America

P300 / P320 / P370 / P400 / P405



PV power optimization at the module-level

- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Module-level voltage shutdown for installer and firefighter safety



SolarEdge Power Optimizer

Module Add-On for North America

P300 / P320 / P370 / P400 / P405

	P300 (for 60-cell mod- ules)	P320 (for high-power 60-cell modules)	P370 (for higher-power 60 and 72-cell modules)	(for 72 & 96-cell modules)	P405 (for thin film modules)		
INPUT							
Rated Input DC Power ⁽¹⁾	300	320	370	400	405	W	
Absolute Maximum Input Voltage	48		60	80	125	Vdc	
(Voc at lowest temperature)	48	,	60	80	125	vac	
MPPT Operating Range	8 - 4	48	8 - 60	8 - 80	12.5 - 105	Vdc	
Maximum Short Circuit Current (Isc)	10	1	11	10	.1	Adc	
Maximum DC Input Current	12.5	13	3.75	12.	63	Adc	
Maximum Efficiency		99.5					
Weighted Efficiency			98.8			%	
Overvoltage Category							
OUTPUT DURING OPERATION (POWE	R OPTIMIZER CONNEC	TED TO OPERATIN	G SOLAREDGE INVE	RTER)			
Maximum Output Current		15					
Maximum Output Voltage		60 85					
OUTPUT DURING STANDBY (POWER C	PTIMIZER DISCONNE	CTED FROM SOLAI	REDGE INVERTER OR	SOLAREDGE INVER	TER OFF)		
Safety Output Voltage per Power							
Optimizer			1			Vdc	
STANDARD COMPLIANCE							
EMC		FCC Part15 C	Class B, IEC61000-6-2, I	EC61000-6-3			
Safety		IEC62í	109-1 (class II safety), l	JL1741			
RoHS			Yes				
INSTALLATION SPECIFICATIONS							
Maximum Allowed System Voltage			1000			Vdc	
Compatible inverters		All SolarEdge Si	ingle Phase and Three	Phase inverters			
D:	128 v 152 v 25 / 128 v 152 v 50 /					,.	
Dimensions (W x L x H)	100	/	1.00	120 X 132 X 33 /			
	128 x 1	152 x 27.5 / 5 x 5.97	x 1.08	5 x 5.97 x 1.37	5 x 5.97 x 1.96	mm / II	
Weight (including cables)	128 x 1	152 x 27.5 / 5 x 5.97 630 / 1.4	x 1.08		•	mm / II gr / lb	
		630 / 1.4	x 1.08	5 x 5.97 x 1.37 750 / 1.7	5 x 5.97 x 1.96 845 / 1.9		
	128 x 1	630 / 1.4		5 x 5.97 x 1.37	5 x 5.97 x 1.96 845 / 1.9		
		630 / 1.4	MC4 /	5 x 5.97 x 1.37 750 / 1.7 MC4 Cor	5 x 5.97 x 1.96 845 / 1.9 npatible		
Input Connector		630 / 1.4 npatible	MC4 / Amphenol AH4 Double Insulated; MC4 /	5 x 5.97 x 1.37 750 / 1.7	5 x 5.97 x 1.96 845 / 1.9 npatible		
Input Connector Output Wire Type / Connector	MC4 Com	630 / 1.4 npatible MC4 Compatible	MC4 / Amphenol AH4 Double Insulated;	5 x 5.97 x 1.37 750 / 1.7 MC4 Cor Double Insulated;	5 x 5.97 x 1.96 845 / 1.9 npatible	gr / lb	
Input Connector Output Wire Type / Connector	MC4 Con	630 / 1.4 npatible MC4 Compatible	MC4 / Amphenol AH4 Double Insulated; MC4 /	5 x 5.97 x 1.37 750 / 1.7 MC4 Cor	5 x 5.97 x 1.96 845 / 1.9 npatible	gr / lb m / ft	
Input Connector Output Wire Type / Connector Output Wire Length	MC4 Com	630 / 1.4 npatible MC4 Compatible 7 3.0	MC4 / Amphenol AH4 Double Insulated; MC4 /	5 x 5.97 x 1.37 750 / 1.7 MC4 Cor Double Insulated; 1.2 / 3.9	5 x 5.97 x 1.96 845 / 1.9 npatible	gr / lb m / ft	
Weight (including cables) Input Connector Output Wire Type / Connector Output Wire Length Operating Temperature Range Protection Rating	MC4 Com	630 / 1.4 npatible MC4 Compatible 7 3.0	MC4 / Amphenol AH4 Double Insulated; MC4 / Amphenol AH4	5 x 5.97 x 1.37 750 / 1.7 MC4 Cor Double Insulated; 1.2 / 3.9	5 x 5.97 x 1.96 845 / 1.9 npatible		

 $^{^{(1)}}$ Rated STC power of the module. Module of up to +5% power tolerance allowed.

PV SYSTEM DESIGN USING A SOLAREDGE INVERTER ⁽²⁾⁽³⁾	SINGLE PHASE HD-WAVE SINGLE PHASE		THREE PHASE 208V	THREE PHASE 480V	
Minimum String Length (Power Optimizers)	8		10	18	
Maximum String Length (Power Optimizers)	25		25	50	
Maximum Power per String	5700 (6000 with SE7600H-US)	5250	6000	12750	W
Parallel Strings of Different Lengths or Orientations	Yes				

⁽²⁾ For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf. (3) It is not allowed to mix P405 with P300/P370/P400/P600/P700 in one string.





SolarEdge Single Phase Inverters

For North America

SE3000A-US / SE3800A-US / SE5000A-US / SE7600A-US / SE10000A-US / SE11400A-US



The best choice for SolarEdge enabled systems

- Integrated arc fault protection (Type 1) for NEC 2011 690.11 compliance
- Superior efficiency (98%)
- Small, lightweight and easy to install on provided bracket
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- Outdoor and indoor installation
- Fixed voltage inverter, DC/AC conversion only
- Pre-assembled Safety Switch for faster installation
- Optional revenue grade data, ANSI C12.1



Single Phase Inverters for North America

SE3000A-US / SE3800A-US / SE5000A-US / SE6000A-US / SE7600A-US / SE10000A-US / SE11400A-US

Nominal AC Power Output 3000 3800 5000 6000 7600 10000 @2400V 11400 VA Max. AC Power Output 3300 4150 5400 @208V 6000 8350 10800 @240V 12000 VA AC Output Voltage Min. Nom. Max. ¹⁰ 7 7 9 52 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		SE3000A-US	SE3800A-US	SE5000A-US	SE6000A-US	SE7600A-US	SE10000A- US	SE11400A-US	
Nominal AL Power Output 3000 3800 5000 6000 7600 10000 @240V 11400 VA	OUTPUT								
Max. Act Country Value Max.	Nominal AC Power Output	3000	3800	5000	6000	7600		11400	VA
1833-208-229 Vac	Max. AC Power Output	3300	4150	_	6000	8350	_	12000	VA
231 - 240 - 254 Vac		-	-	✓	-	-	✓	-	
Max. Continuous Output Current 12.5 16 24 @ 208V 21 @ 240V 25 32 48 @ 208V A2 @ 240V 47.5 A GFDI Threshold Yes VE A Q 240V 47.5 A Q Yes Wes Yes Add		✓	✓	✓	✓	✓	√	✓	
Max. Continuous Output Current 12.5 16 21 @ 240V 2.5 32 42 @ 240V 47.5 A	AC Frequency MinNomMax. ⁽¹⁾		5	9.3 - 60 - 60.5 (v	vith HI country s	setting 57 - 60 -	60.5)	1	Hz
A	Max. Continuous Output Current	12.5	16	_	25	32	_	47.5	А
NPUT	GFDI Threshold			141.64	1		1		А
Maximum DC Power (STC) 4050 5100 6750 8100 10250 13500 15350 W	Utility Monitoring, Islanding Protection	n, Country Confi	gurable Thresh	olds	Yes				Yes
Transformer-less, Ungrounded Yes Wax Input Voltage 325 @ 208V / 350 @ 240V 33 @ 208V 34.5 Vdc	NPUT								
Max. Input Voltage 500	Maximum DC Power (STC)	4050	5100	6750	8100	10250	13500	15350	W
Voca	Fransformer-less, Ungrounded				Yes				
Max. Input Current 9.5	Max. Input Voltage				500				Vdc
Max. Input Current: 9.5 13 15.5 @ 240V 18 23 30.5 @ 240V 34.5 Add Max. Input Short Circuit Current 45 Add	Nom. DC Input Voltage			325	@ 208V / 350 (@ 240V			Vdc
Max. Input Short Circuit Current 45 Adc	Max. Input Current ⁽²⁾	9.5	13		18	23		34.5	Adc
Ground-Fault Isolation Detection	Max. Input Short Circuit Current			* · · · · · · · · · · · · · · · · · · ·	45		• • • • • • • • • • • • • • • • • • • •	* * * * * * * * * * * * * * * * * * * *	Adc
Maximum Inverter Efficiency	Reverse-Polarity Protection				Yes			*****************	
Maximum Inverter Efficiency	Ground-Fault Isolation Detection				600kΩ Sensitiv	ity	• • • • • • • • • • • • • • • • • •		
Section Sect		97.7	98.2	98.3	98.3	98	98	98	%
ADDITIONAL FEATURES Supported Communication Interfaces Revenue Grade Data, ANSI C12.1 Rapid Shutdown – NEC 2014 690.12 Functionality enabled when SolarEdge rapid shutdown kit is installed ⁽ⁿ⁾ STANDARD COMPLIANCE Safety UL1741, UL1699B, UL1998, CSA 22.2 Grid Connection Standards EIEEE1547 Emissions FCC part15 class B INSTALLATION SPECIFICATIONS AC output conduit size / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range Dimensions with Safety Switch (HxWxD) 30.5 x 12.5 x 7.2 / 775 x 315 x 184 Fans (user replaceable) Natural Convection Natural Convection And internal fan (user replaceable) Noise	CEC Weighted Efficiency	97.5	98	_	97.5	97.5	_	97.5	%
Supported Communication Interfaces Revenue Grade Data, ANSI C12.1 Repid Shutdown – NEC 2014 690.12 STANDARD COMPLIANCE Safety UL1741, UL1699B, UL199B, CSA 22.2 Grid Connection Standards Emissions FCC part15 class B INSTALLATION SPECIFICATIONS AC output conduit size / # of strings / 3/4" minimum / 16-6 AWG Dimensions with Safety Switch (HXWXD) Weight with Safety Switch Cooling Natural Convection Natural Convection Natural Convection Natural Convection Natural Convection Natural Convection Natural Conversion evaluable (-40 to +60 version available(-5)) RSA (20 deptional) Optional(a)	Nighttime Power Consumption							4	W
Revenue Grade Data, ANSI C12.1 Optional ⁽⁵⁾ Rapid Shutdown – NEC 2014 690.12 Functionality enabled when SolarEdge rapid shutdown kit is installed ⁽⁴⁾ STANDARD COMPLIANCE Safety UL1741, UL1699B, UL1998, CSA 22.2 Grid Connection Standards IEEE1547 Emissions FCC part15 class B INSTALLATION SPECIFICATIONS AC output conduit size / AWG range Dimensions with Safety Switch 3/4" minimum / 1-2 strings / 16-6 AWG 3/4" minimum / 1-2 strings / 14-6 AWG Dimensions with Safety Switch 30.5 x 12.5 x 7.2 / 775 x 315 x 184 Weight with Safety Switch 51.2 / 23.2 54.7 / 24.7 88.4 / 40.1 Ib / k Cooling Natural Convection and internal fan (user replaceable) Noise < 25	ADDITIONAL FEATURES								
Rapid Shutdown – NEC 2014 690.12 Functionality enabled when SolarEdge rapid shutdown kit is installed (a) STANDARD COMPLIANCE Safety UL1741, UL1699B, UL199B, CSA 22.2 Grid Connection Standards IEEE1547 Emissions FCC part15 class B INSTALLATION SPECIFICATIONS AC output conduit size / AWG range DC input conduit size / AVG range AWG range Dimensions with Safety Switch (HxWxD) Dimensions with Safety Switch Safety Sa	Supported Communication Interfaces			RS485, RS2	32, Ethernet, Zig	gBee (optional)			
STANDARD COMPLIANCE Safety UL1741, UL1699B, UL1998, CSA 22.2 Grid Connection Standards EEE1547 Emissions FCC part15 class B INSTALLATION SPECIFICATIONS AC output conduit size / AWG range DC input conduit size / # of strings / 3/4" minimum / 1-2 strings / 16-6 AWG Dimensions with Safety Switch (HxWxD) Weight with Safety Switch S1.2 / 23.2 S1.2 / 24.7 Natural convection Natural Convection Natural Convection Natural Convection Natural Convection Noise < 25 Column	Revenue Grade Data, ANSI C12.1				Optional ⁽³⁾				
Safety UL1741, UL1699B, UL1998 , CSA 22.2 Grid Connection Standards IEEE1547 Emissions FCC part15 class B INSTALLATION SPECIFICATIONS AC output conduit size / AWG range DC input conduit size / # of strings / 3/4" minimum / 1-2 strings / 16-6 AWG DD input conduit size / # of strings / 3/4" minimum / 1-2 strings / 16-6 AWG DI input conduit size / # of strings / 3/4" minimum / 1-2 strings / 16-6 AWG DI input conduit size / # of strings / 3/4" minimum / 1-2 strings / 16-6 AWG DI input conduit size / # of strings / 3/4" minimum / 1-2 strings / 16-6 AWG AWG range 14-6 AWG Dimensions with Safety Switch 30.5 x 12.5 x 7.2 / 775 x 315 x 184 T75 x 315 x 260 mm Weight with Safety Switch 51.2 / 23.2 54.7 / 24.7 88 .4 / 40.1 lb / k Cooling Natural Convection and internal fan (user replaceable) Fans (user replaceable) Noise < 25 < 50 dBA MinMax. Operating Temperature Range -13 to +140 / -25 to +60 (-40 to +60 version available (5)) *F / 50 cm / 50 / 50 / 50 / 50 / 50 / 50 / 50 / 5	Rapid Shutdown – NEC 2014 690.12		Functiona	ality enabled wh	en SolarEdge ra	pid shutdown k	it is installed ⁽⁴⁾	• • • • • • • • • • • • • • • • • • • •	
EEE1547 Emissions FCC part15 class B	STANDARD COMPLIANCE								
FCC part15 class B FCC part15 class B INSTALLATION SPECIFICATIONS	Safety			UL1741,	JL1699B, UL199	98 , CSA 22.2			
AC output conduit size / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG range DC input conduit size / # of strings / AWG DC input conduit	Grid Connection Standards								
AC output conduit size / AWG range DC input conduit size / # of strings / AWG range DD input conduit size / # of strings / AWG range Dimensions with Safety Switch (HxWxD) Weight with Safety Switch Cooling Natural Convection Natural Convection Noise -13 to +140 / -25 to +60 (-40 to +60 version available ⁽⁵⁾) 3/4" minimum / 1-2 strings / 3/4" minimum / 1-2 strings / 14-6 AWG 3/4" minimum / 1-2 strings /	Emissions				FCC part15 clas	is B			
DC input conduit size / # of strings / AWG range Dimensions with Safety Switch (HxWxD) Weight with Safety Switch Cooling Natural Convection Noise -13 to +140 / -25 to +60 (-40 to +60 version available ⁽⁵⁾) 3/4" minimum / 1-2 strings / 14-6 AWG 30.5 x 12.5 x 10.5 / 16 / 17 / 775 x 315 x 184 Not a string in / 14-6 AWG Natural convection and internal fan (user replaceable) Fans (user replaceable) < 50 dBA *F/**	INSTALLATION SPECIFICATIONS								
AWG range Strings 10-6 AWG 14-6 AWG	AC output conduit size / AWG range		3/4"	minimum / 16-6	AWG		3/4" minimu	m / 8-3 AWG	
Dimensions with Safety Switch (HxWxD) Weight with Safety Switch Cooling Natural Convection Noise -13 to +140 / -25 to +60 (-40 to +60 version available ⁽⁵⁾) 30.5 x 12.5 x 7.2 / 775 x 315 x 184 30.5 x 12.5 x 10.5 / 775 x 315 x 260 mm Natural convection Natural convection and internal fan (user replaceable) -13 to +140 / -25 to +60 (-40 to +60 version available ⁽⁵⁾) 30.5 x 12.5 x 10.5 / 775 x 315 x 260 mm Natural convection Fans (user replaceable) -50 dBA	-	· · · · · · · · · · · · · · · · · · ·							
(HxWxD) 775 x 315 x 260 mm Weight with Safety Switch 51.2 / 23.2 54.7 / 24.7 88 4 / 40.1 lb / k Cooling Natural Convection and internal fan (user replaceable) Noise < 25	Dimensions with Safety Switch	20 5 42 5 7 2 / 775 245 404					in /		
Cooling Natural Convection Natural convection and internal fan (user replaceable) Noise	(HxWxD)	30.5 X 12.5 X /.2 / //5 X 315 X 184			775 x 3	15 x 260	mm		
Natural Convection and internal fan (user replaceable) Noise <25 <50 dBA WinMax. Operating Temperature Range -13 to +140 / -25 to +60 (-40 to +60 version available ⁽⁵⁾) *F/°	Weight with Safety Switch	\$ · · · · · · · · · · · · · · · · · · ·				Natural	88 .4	/ 40.1	lb / k
Noise < 25 < 50 dBA MinMax. Operating Temperature Range -13 to +140 / -25 to +60 (-40 to +60 version available ⁽⁵⁾) °F / °C	Cooling		Natural Convection conve fan (ı			and internal fan (user	Fans (user r	replaceable)	
MinMax. Operating Temperature -13 to +140 / -25 to +60 (-40 to +60 version available ⁽⁵⁾) °F/°	Noise		<	25	• • • • • • • • • • • • • • • • • • • •	epimeedpiej.	< 50	• • • • • • • • • • • • • • • • • • • •	dBA
	MinMax. Operating Temperature	1					• • • • • • • • • • • • • • • • • • • •	°F / °C	
		NFMA 3R					• • • • • • • • • • • • • • • • • • • •	1	







Protection Rating

(3) For other regional settings please contact SolarEdge support.
(2) A higher current source may be used; the inverter will limit its input current to the values stated.
(3) Revenue grade inverter P/N: SEXXXX-USDOONNR2 (for 7600W inverter:SE7600A-US002NNR2).
(4) Rapid shutdown kit P/N: SE1000-RSD-51.
(5) -40 version P/N: SEXXXX-US000NNU4 (for 7600W inverter:SE7600A-US002NNU4).

Ecofoot5D

The New High Density 5° Racking System

Small Footprint. Big Power.

Now you can build more powerful rooftop solar systems faster and easier than ever before with the new high density EcoFoot5D™ Racking System.



Built on the Industry-Preferred EcoFoot® Platform, with More than 200MW Installed.



18.4% More Power

Small 7"x16.7" roof-friendly modular Base and dense 9.9" inter-row spacing enables a tightly packed solar array that delivers 18.4% more power than 10° systems. Whether your roof is small or large, EcoFoot5D provides more power, lowering cost-per-watt.



Elegantly Simple Installation

EcoFoot5D delivers preassembled parts and an out-of-the-box, ready-to-go installation that is unlike any other flat-roof racking. The result is a seamless installation process from start to finish, saving on time and minimizing job-site impact.



Cost-Saving Logistics & Support

Stackable bases enable a huge per-pallet shipping capacity. Fewer pallets are required, minimizing shipping, storage and onsite crane use. Dedicated engineering support prevents issues before they happen and provides quick solutions if obstacles arise.



The Simplest Way to



Built on the Industry Preferred, Innovative EcoFoot Modular Platform.

Creating Unbeatable Solar Racking for Commercial and Residential

Since 2010, Ecolibrium Solar has revolutionized Solar Racking with the FAST & SIMPLE EcoFoot Modular Platform for flat-roof arrays and EcoX Rail-less Racking for pitched roofs. With 600MW installed on flat and pitched roofs nationwide, we bring the beauty of simplicity to solar.

Elegant Installation, Right Out of the Box.

Organized Work Flow and Preassembled Parts

When you're on the roof, you need ready-to-go components and a simple install. That's why installers prefer the EcoFoot Modular Platform: Bases self-align and parts are preassembled so no PV panel preparation is required, which enables non-stop installation from box to roof.

Only with EcoFoot Modular

Now, EcoFoot5D delivers the elegant installation process only EcoFoot modular systems provide and packs the array with 18.4% more power than a 10° system.

Installer-centric design provides unsurpassed advantages:

- Simple, preassembled parts
- Self-aligning Bases fall in line as modules are placed
- Low-effort roof layout, just two chalk lines required
- · No PV panel prep, non-stop install from box to roof
- Six simple installation steps
- No training required 5-minute learning curve

290kW of Bases Delivered on 1 Standard Pallet.

Efficient Logistics On and Off the Roof Increase Your Bottom Line

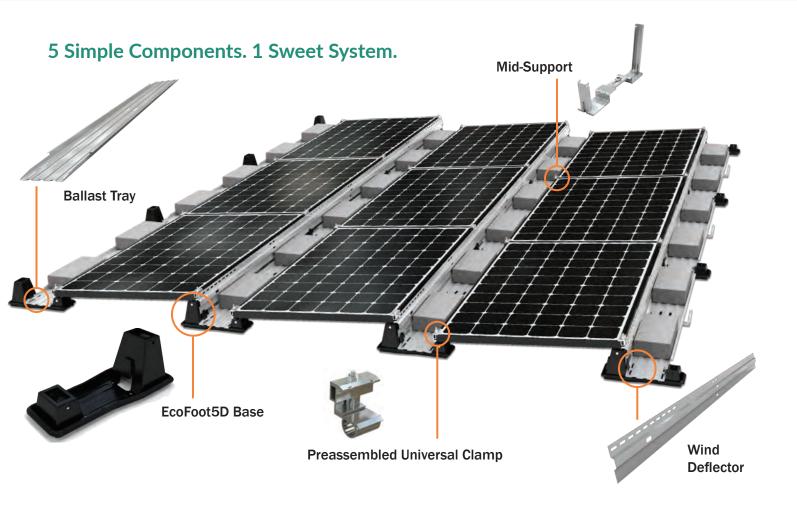
From shipping to deployment, the EcoFoot5D System reduces your shipping, storage and roof-loading needs significantly. The result? More profit per job.

- Stackable Bases and low part count streamline logistics
- 290kW of Bases delivered on 1 standard pallet
- Small footprint minimizes contact with roof
- Slip sheet costs are low, drainage is excellent
- · Lightweight and roof-friendly
- Ideal for residential and commercial flat roofs
- Suited for mild or extreme roof undulations



Max Out Your Roof





Wire Management in a Snap.

Accessible & Protected

Simply snap wire clips into Base to route wires between rows.

- No UV exposure: row-to-row wires covered by Ballast Tray
- Easy access to wires during install and throughout the life of the system with removable Wind Deflector and in-row ballast placement

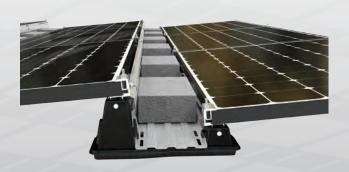


Ballast Placement that Beats All.

Ergonomic, Cost-Saving and Fast

Place ballasts between rows for easy reach.

- No awkward under-module access
- Rapid Ballast Tray install, sliding into Base retention clips
- Ballast Tray strong enough to walk on, even when loaded with ballast blocks
- Minimal roof contact means smaller slip sheets, lowering costs



Unbeatable EcoFoot5D

6 Simple Installation Steps.

Step 1 Install Clamps in Bases – No Tools Required.



Drop preassembled Clamps into Base, push in Clevis Pins, Base is ready to install.

Step 2 Only Two Chalk Lines Needed.



Measure & mark 2 chalk lines, Bases self-align as modules drop into place.

Step 3 Secure PV modules onto Bases.



Space modules using alignment marks on Clamps, torque Nut provided to 14 ft-lbs.

Step 4 Install Mid-Support.



Press the Upper and Lower Mid-Supports onto the module frame.

Step 5 Install Ballast Tray and place ballast blocks.



Slide Tray into retention clips on Base, east/west. Place ballast blocks without reaching using sturdy, walk-on tray.

Step 6
Install Wind Deflector.



Place Wind Deflector into slot on Base, attach using Rocker Nut provided.

Technical Specifications.

Clamping range: 32-50mm

Typical system weight: 2.4-7.7 psf

Module orientation: Landscape

Tilt angle: 5° Landscape

Module inter-row spacing: 9.9"

Roof pitch: $0^{\circ}-7^{\circ}$

Ballast requirements: 4" x 8" x 16"

Wind tunnel tested: 150 mph

Warranty: 25 years

Slip sheets: not required by Ecolibrium Solar. If required by roofer, use 7"x16.7" under Base;

2"x3" under Mid-Support.

Validation Summary.

- Certified to UL2703 Fire Class A for Type I and II modules
- Certified to UL2703 Grounding and Bonding
- SEAOC seismic compliant

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