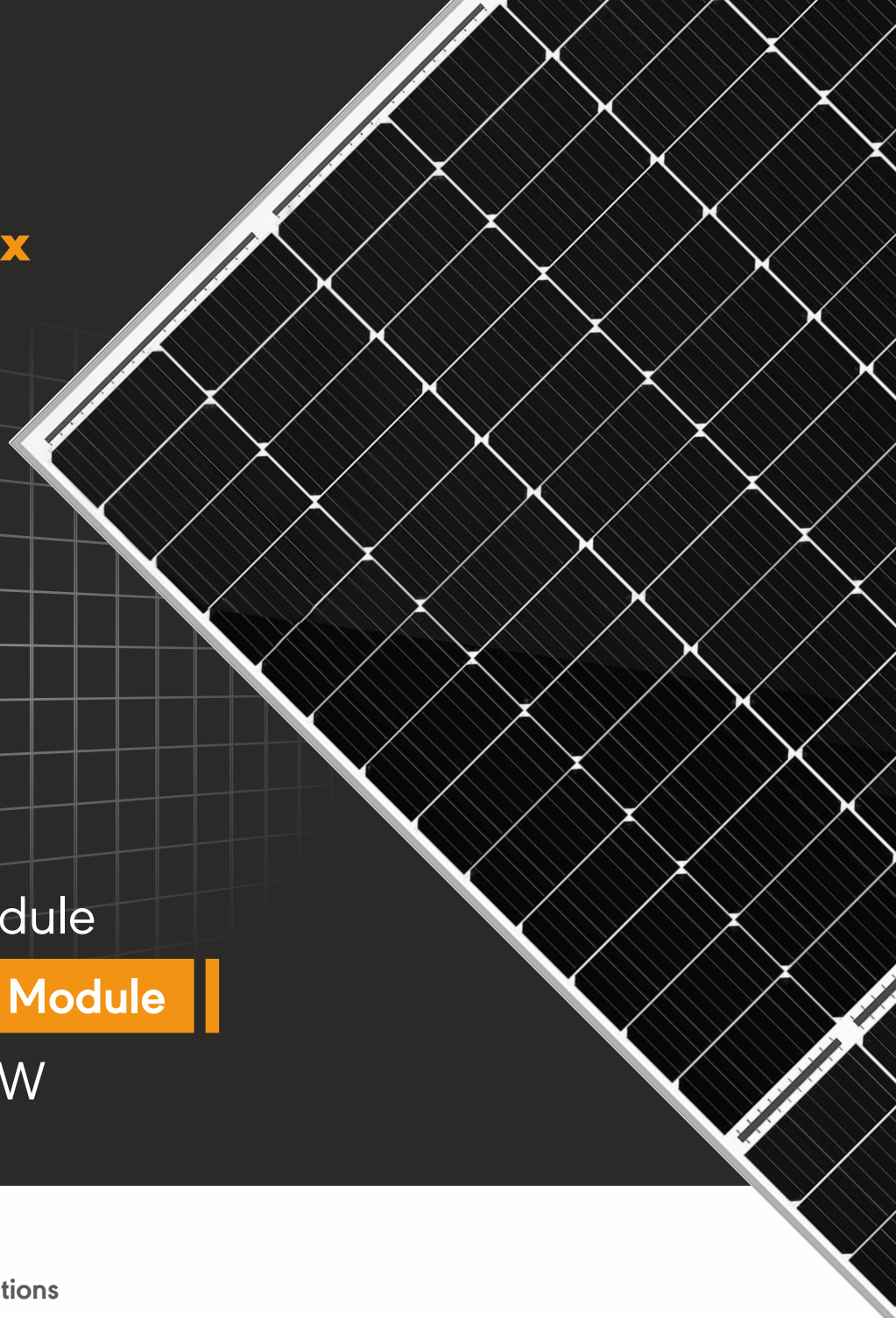


# navitas bonito max



156 Cell | 10 BB Module

Mono PERC Half Cut Module

NSM 560W to 605W



Ideal for large scale installations



High power



Better shading tolerance



Lower LCOE & system cost



Excellent temperature performance



Non-destructive cutting

ALMM  
Approved  
List by  
MNRE\*

Module  
Efficiency  
up to  
21.64%

Power  
Tolerance  
up to  
4.99W

25 Years  
Performance  
Warranty<sup>1</sup>

10 Years  
Product  
Warranty<sup>1</sup>

PID  
Resistant

### Product Certifications

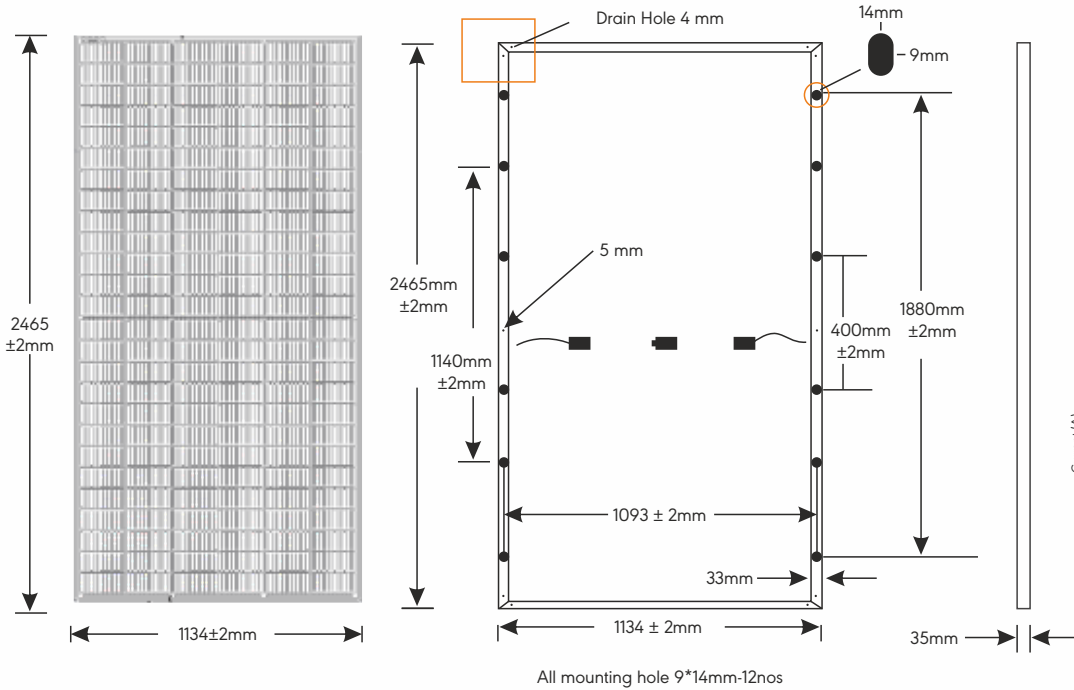
IS 14286\*, IS 61730-1 & 2\*, IS 62804\* IEC 61701\*,  
Fire Rating \*BIS\* ISO 9001, 14001, 45001

<sup>1</sup>In Process

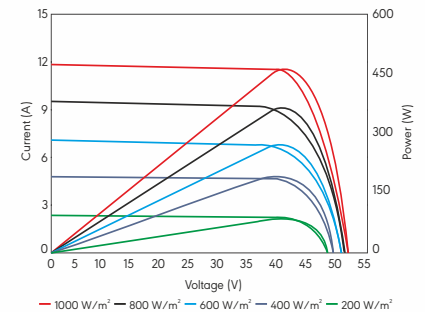
# Mechanical Dimensions



navitasolar  
conserve | sustain | flourish



I-V Curves of PV Module (for Ref)



# Electrical Data

Module Type	NSM560-156		NSM565-156		NSM570-156		NSM575-156		NSM580-156		NSM585-156		NSM590-156		NSM595-156		NSM600-156		NSM605-156	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Watts (Pmax)	560	416.56	565	420.34	570	424.15	575	427.59	580	431.43	585	435.31	590	439.18	595	442.94	600	446.61	605	450.38
Maximum Power Voltage (Vmp)	44.61	41.88	44.84	42.10	45.08	42.32	45.29	42.52	45.52	42.73	45.75	42.95	45.99	43.17	46.21	43.38	46.42	43.58	46.64	43.79
Maximum Power Current (Imp)	12.56	9.95	12.61	9.98	12.66	10.02	12.70	10.06	12.75	10.10	12.80	10.13	12.85	10.17	12.89	10.21	12.94	10.25	12.99	10.29
Open-circuit voltage (Voc)	52.54	49.33	52.70	49.48	52.87	49.63	53.02	49.77	53.18	49.93	53.35	50.08	53.51	50.23	53.67	50.39	53.83	50.54	53.97	50.67
Short-circuit current (Isc) (A)	13.22	10.68	13.26	10.72	13.30	10.75	13.34	10.78	13.38	10.81	13.42	10.85	13.47	10.88	13.51	10.92	13.55	10.95	13.58	10.97
Module Efficiency STC (%)	20.03		20.21		20.39		20.57		20.74		20.92		21.10		21.28		21.46		21.64	
Operating Temperature (°C)	-40°C ~ +85°C																			
Maximum System Voltage	1500 V DC (IEC)																			
Maximum series fuse rating	20A																			

- ▶ STC Irradiance 1000 W/m<sup>2</sup> Cell Temperature 25°C AM = 1.5
- ▶ NOCT Irradiance 800 W/m<sup>2</sup> Ambient Temperature 20°C AM = 1.5 Wind Speed = 1 m/s

# Mechanical Data

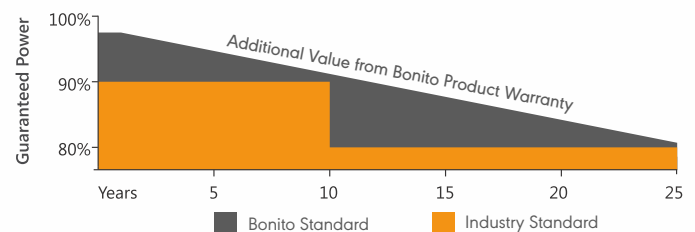
Specification	Data
Cell Type	Half cut Mono PERC
Cell Arrangement	78 Mono PERC - 156 Half Cells
Dimensions	2465x1134x35 mm
Weight	31 Kg.
Front Cover	3.2 mm ARC Glass
Frame Material	Anodized Aluminium Alloy
Junction Box	IP68 Split JB
Cable	4 mm <sup>2</sup> (IEC) - Length 0.35 mtr (Portrait) / 1.4mtr(Landscape)
Connectors	MC4 Compatible
By-Pass Diodes	3 Pcs

# Temperature Characteristic

Specification	Data
Temperature Co-efficient (Pmax)	-0.36% /°C
Temperature Co-efficient (Voc)	-0.36% /°C
Temperature Co-efficient (Isc)	+0.06% /°C
Nominal Operating Cell Temperature	42 ± 2°C

# Navitas Bonito Performance Warranty

10 Years Product Warranty - 25 Years Linear Power Warranty



# Increased Shade Tolerance

## HALF-CELL MODULE

Functions like two parallel modules, enabling the half-cell string to work in partial shading



\*The above data is liable to change without prior notice  
 \*Warranty applicable as per standard warranty terms as available on [www.navitassolar.com](http://www.navitassolar.com)