

navitas navisol



72 Cell | 5 BB Module

Multi Crystalline Module

NSA 300 TO NSA 335



Ideal for large scale and roof top installations



High power



Modules binned by current to improve system performance



Excellent Glass Efficiency with anti reflective coating



Excellent temperature performance



Improved low light performance

ALMM
Approved
List by
MNRE*

Module
Efficiency
up to
17.26%

Power
Tolerance
up to
4.99W

25 Years
Performance
Warranty¹

10 Years
Product
Warranty¹

PID
Resistant

Product Certifications

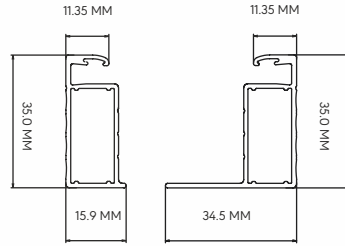
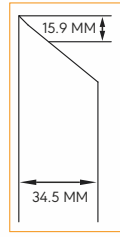
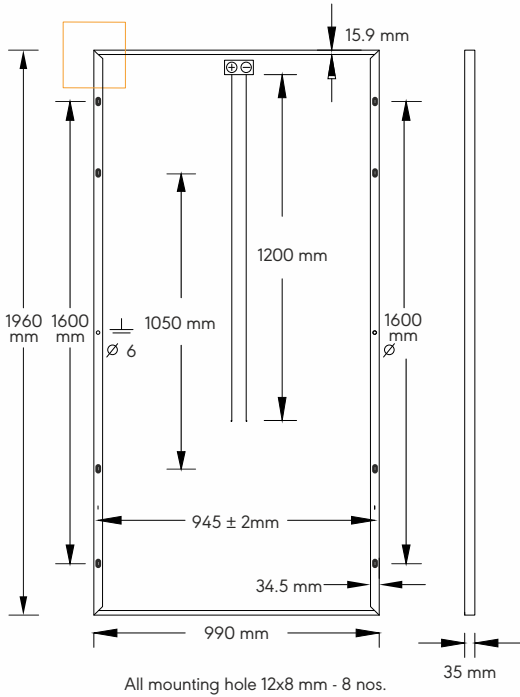
IEC 61215, IEC 61730-1 & 2, IEC 62804, IEC 61701,
Fire Rating ISO 9001, 14001, 18001, BIS

* DCR Module Available on Demand

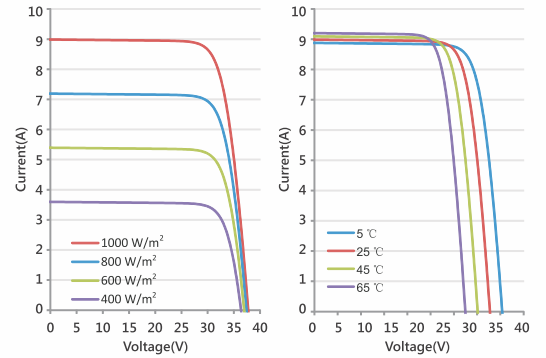
Mechanical Dimensions



navitassolar
conserve | sustain | flourish



I-V Curves of PV Module



Electrical Data

Module Type	NSA 300		NSA 305		NSA 310		NSA 315		NSA 320		NSA 325		NSA 330		NSA 335	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Watts (Pmax)	300	221	305	225.45	310	229.15	315	232.8	320	236.55	325	240.37	330	243.47	335	246.79
Maximum Power Voltage (Vmp)	36.1	33.3	36.3	33.54	36.4	33.65	36.5	33.7	36.6	33.84	36.7	33.96	36.8	34.1	36.9	34.23
Maximum Power Current (Imp)	8.3	6.64	8.41	6.72	8.52	6.81	8.64	6.91	8.75	6.99	8.86	7.07	8.97	7.14	9.08	7.21
Open-circuit voltage (Voc)	44.6	41.21	44.8	41.52	44.9	41.64	45.0	41.7	45.1	41.77	45.2	42.5	45.3	43.2	45.4	43.9
Short-circuit current (Isc) (A)	8.87	7.10	8.97	7.18	9.08	7.29	9.1	7.4	9.21	7.51	9.33	7.57	9.52	7.63	9.58	7.69
Module Efficiency STC (%)	15.46		15.71		15.97		16.23		16.49		16.74		17.0		17.26	
Operating Temperature (°C)	-40°C ~ +85°C															
Maximum System Voltage	1000V / 1500 V DC (IEC)															
Maximum series fuse rating	15 / 20 A															

- ▶ **STC** ☀ Irradiance 1000 W/m² 📄 Cell Temperature 25°C ☁ AM = 1.5
- ▶ **NOCT** ☀ Irradiance 800 W/m² 📄 Ambient Temperature 20°C ☁ AM = 1.5 🌬 Wind Speed = 1 m/s

Mechanical Data

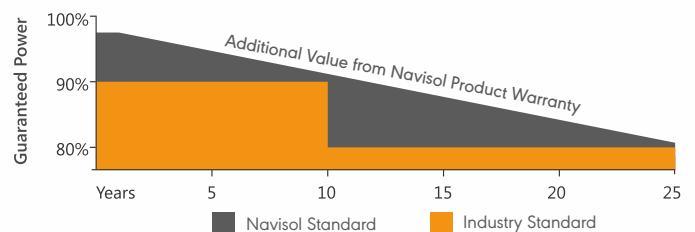
Specification	Data
Cell Type	Multicrystalline
Cell Arrangement	72 (6 x 12)
Dimensions	1960 x 990 x 35 mm.
Weight	22 Kgs
Front Cover	3.2 mm ARC Glass
Frame Material	Anodized Aluminium Alloy
Junction Box	IP68
Cable	4 mm ² (IEC)/ 4 mm ² & 12 AWG 1000V (1000V UL) 1200mm
Connectors	MC4 Compatible
By-Pass Diodes	3 Pcs

Temperature Characteristic

Specification	Data
Temperature Co-efficient (Pmax)	-0.38% /°C
Temperature Co-efficient (Voc)	-0.34% /°C
Temperature Co-efficient (Isc)	+0.05% /°C
Nominal Operating Cell Temperature	45 ± 2°C

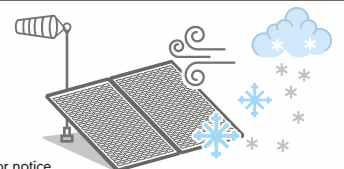
Navisol Performance Warranty

10 Years Product Warranty - 25 Years Linear Power Warranty



Severe Weather Resilience

It is able to sustain **heavy wind loads (2400 Pa)** and **heavy snow loads (5400 Pa)**



* The above data is liable to change without prior notice
* Warranty applicable as per standard warranty terms as available on www.navitassolar.com