

navitas navisol

60 Cell | 5 BB Module

Multi Crystalline Module

250W to 280W



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
17.24%

Power
Tolerance
up to
4.99W

25 Years
Performance
Warranty¹

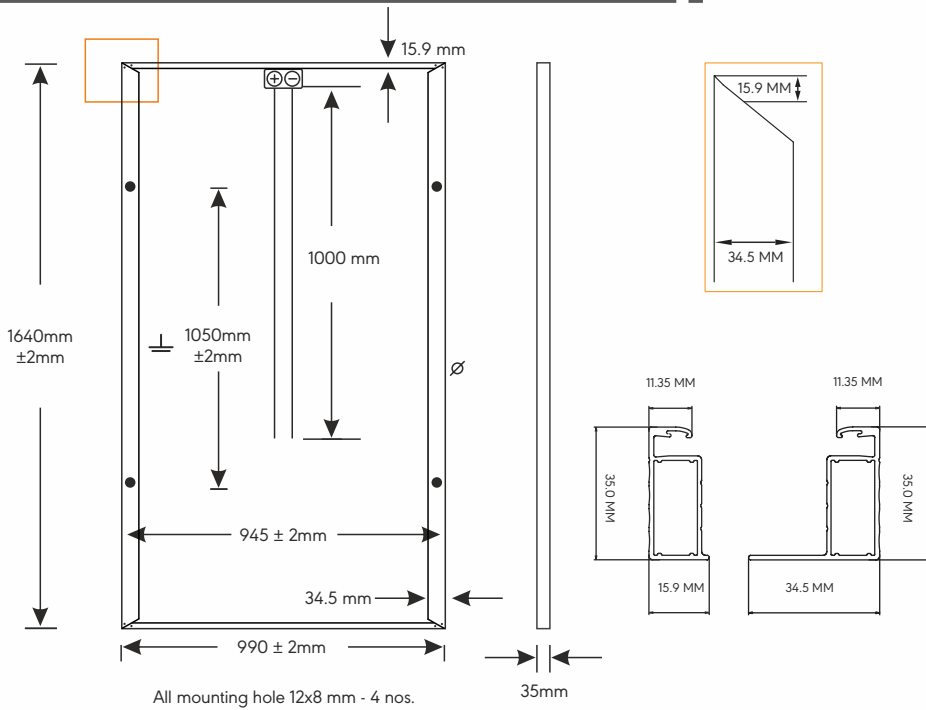
10 Years
Product
Warranty¹

PID
Resistant

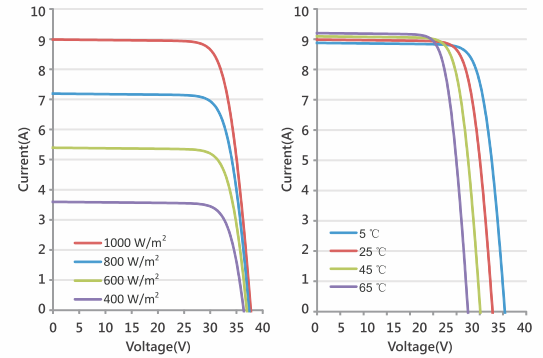
Product Certifications

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

Mechanical Dimensions



I-V Curves of PV Module



Electrical Data

Module Type	NS 250		NS 255		NS 260		NS 265		NS 270		NS 275		NS 280	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Watts (Pmax)	250	184.62	255	188.4	260	191.77	265	195.63	270	199.71	275	203.83	280	207.69
Maximum Power Voltage (Vmp)	30.5	28.23	30.7	28.46	30.9	28.58	31.1	28.77	31.3	29.07	31.5	29.37	31.7	29.67
Maximum Power Current (Imp)	8.2	6.54	8.31	6.62	8.41	6.71	8.52	6.8	8.63	6.87	8.73	6.94	8.83	7
Open-circuit voltage (Voc)	37.75	34.99	37.9	35.11	38.05	35.35	38.2	35.63	38.35	35.81	38.5	36.09	38.65	36.37
Short-circuit current (Isc) (A)	8.8	7.03	8.9	7.1	9	7.24	9.1	7.39	9.2	7.42	9.3	7.48	9.4	7.54
Module Efficiency STC (%)	15.39		15.7		16.01		16.32		16.63		16.93		17.24	
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

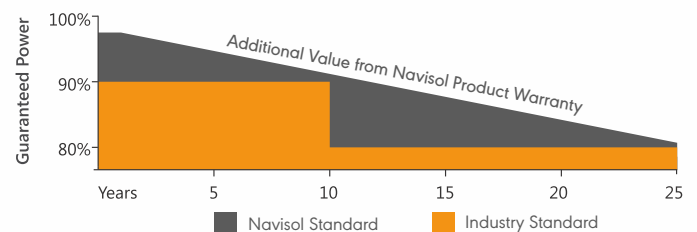
Specification	Data
Cell Type	Multicrystalline
Cell Arrangement	60 (6 X 10)
Dimensions	1640 x 990 x 35 mm.
Weight	18.40Kgs
Front Cover	3.2 mm ARC Glass
Frame Material	Anodized Aluminium Alloy
Junction Box	IP68
Cable	4 mm ² (IEC)/ 4 mm ² & 12 AWG 1000V (1000V UL) 1000mm
Connectors	MC4 Compatible
By-Pass 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)	+0.053% /°C
Nominal Operating Cell Temperature	45 ± 2°C

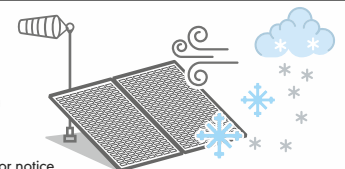
Navisol Performance Warranty

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