



www.navitassolar.in



Navisol Series

60 Cell Module

Multi Crystalline Module

NS 230P – 265P | 230 ~ 265 Watt

Navitas Solar's Modules are best in class in terms of Performance and Reliability.

Our meticulous product design and stringent quality control ensures our modules deliver an exceptionally high PV yield.

Excellent Module Efficiency

Up to 16.4%

Positive Power Tolerance

Up to 5W

10 Years

Product Warranty

25 Years

Performance Warranty

PID Resistant



Ideal for Large Scale and Roof Top Installations



Highly Reliable Due to Stringent Quality Control

- 100% EL Tested Before and After Lamination
- Over 30 In-house Tests



High Durability Ensured

- Durable PV Modules, Independently Tested for Harsh Environment Conditions Such as Exposure to Salt Mist, Ammonia and Known Pid Risk Factors

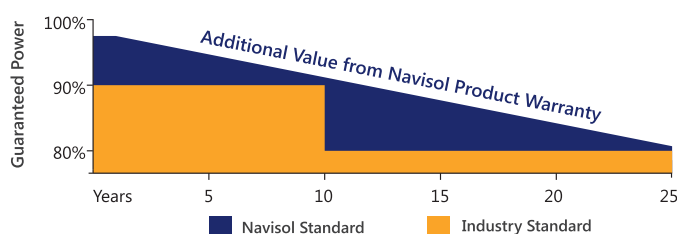


Advanced Glass Efficiency

- High Transmission Glass with Unique Anti reflective Coating that directs more light on Solar Cells

Navisol Performance Warranty

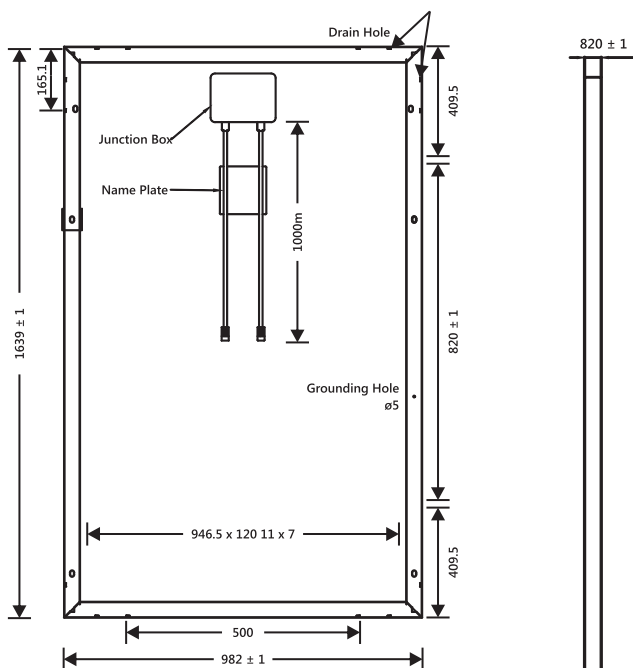
10 Years Product Warranty - 25 Years Linear Power Warranty



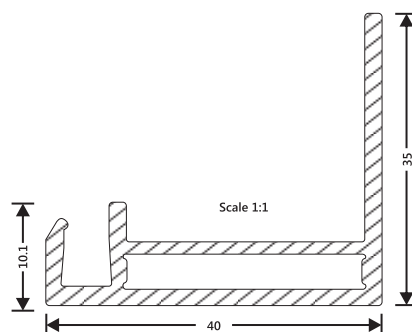
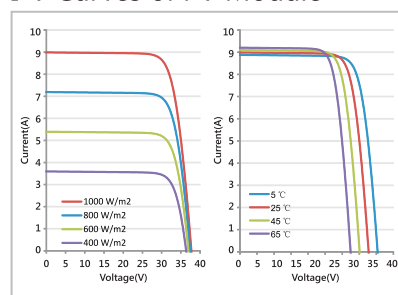
Certifications*

IEC 61215, IEC 61730-1 & 2, IEC 62804, IEC 61701, UL 1703, Fire Rating Class A, ISO 9001, 14001, 18001

*applied for.



I-V Curves of PV Module



ELECTRICAL DATA*

Module Type	NS230		NS240		NS250		NS255		NS260		NS265	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Watts (Pmax)	230	167	240	174	250	181	255	185	260	189	265	194
Maximum Power Voltage (Vmp)	29.5	27.0	29.6	27.2	30.1	27.5	30.2	27.5	30.58	27.7	30.8	27.9
Maximum Power Current (Imp)	7.82	6.19	8.1	6.39	8.6	6.6	8.43	6.71	8.5	6.83	8.6	7.0
Open-circuit Voltage (Voc)	36.6	33.7	36.8	34	37.2	34.2	37.4	34.4	37.6	34.6	37.8	34.8
Short-circuit Current (Isc) (A)	8.6	6.79	8.72	6.98	8.87	7.19	9.0	7.29	9.03	7.38	9.06	7.47
Module Efficiency STC (%)	14.3		14.88		15.48		15.78		16.1		16.4	
Operating Temperature (°C)					-40°C~+85°C							
Maximum system Voltage	1000V DC (IEC) / 1000V DC (UL) / 600V DC (UL)											
Maximum series fuse rating					15A							

Temperature Characteristics

Specification	Data
Temperature Co-efficient (Pmx)	- 0.41%
Temperature Co-efficient (Voc)	- 0.34%
Temperature Co-efficient (Isc)	+ 0.06%
Nominal Operating Cell Temperature	45 ± 2°C

Mechanical Data

Specification	Data
Cell Type	Multicrystalline 6inch
Cell Arrangement	60 (6 x 10)
Dimensions	1639 x 982 x 40mm (64.5 x 38.7 x 1.57inch)
Weight	18.5Kgs (40.8 Lbs)
Front Cover	3.2mm ARC Glass
Frame Material	Anodized Aluminum Alloy
Junction Box	IP 65 or IP 67, 3 Diodes
Cable	4mm² (IEC) / 4mm² & 12 AWG 1000V (1000V UL) 1000mm
Connectors	MC4 Comparable
Standard Packaging	24 Pcs, 504Kg (quantity & weight per pallet)
Module Pieces Per Container	672 Pcs (40 feet HQ)

STC



Irradiance 1000W/m²



Cell Temperature 25°C



AM = 1.5

NOCT



Irradiance 800W/m²



Cell Temperature 20°C



AM = 1.5



1 m/s