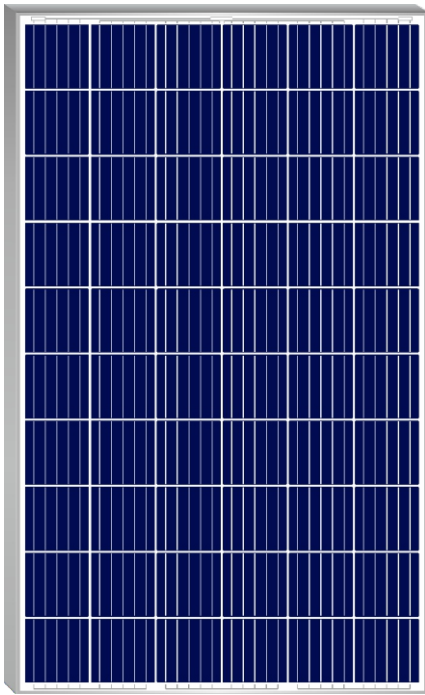




# Navisol Series

## 60 Cell / 5 BB Module

### Multi Crystalline Module

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.



-  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

#### Excellent Module Efficiency

Up to 17.2%

#### Positive Power Tolerance

Up to 4.99W

10 Years

Product Warranty

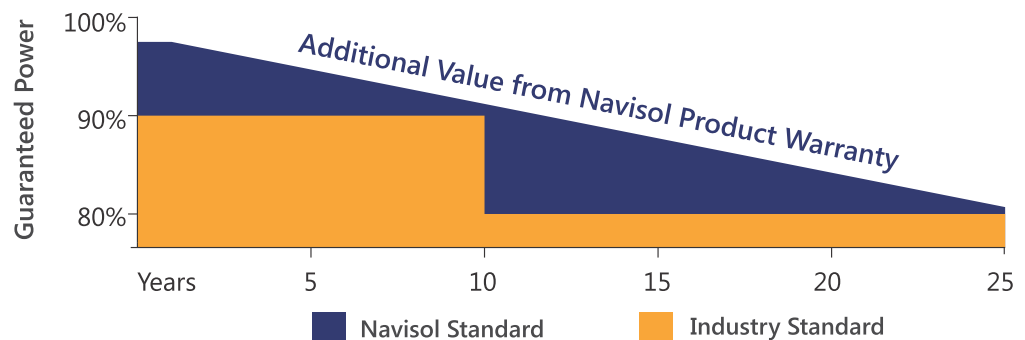
25 Years

Performance Warranty

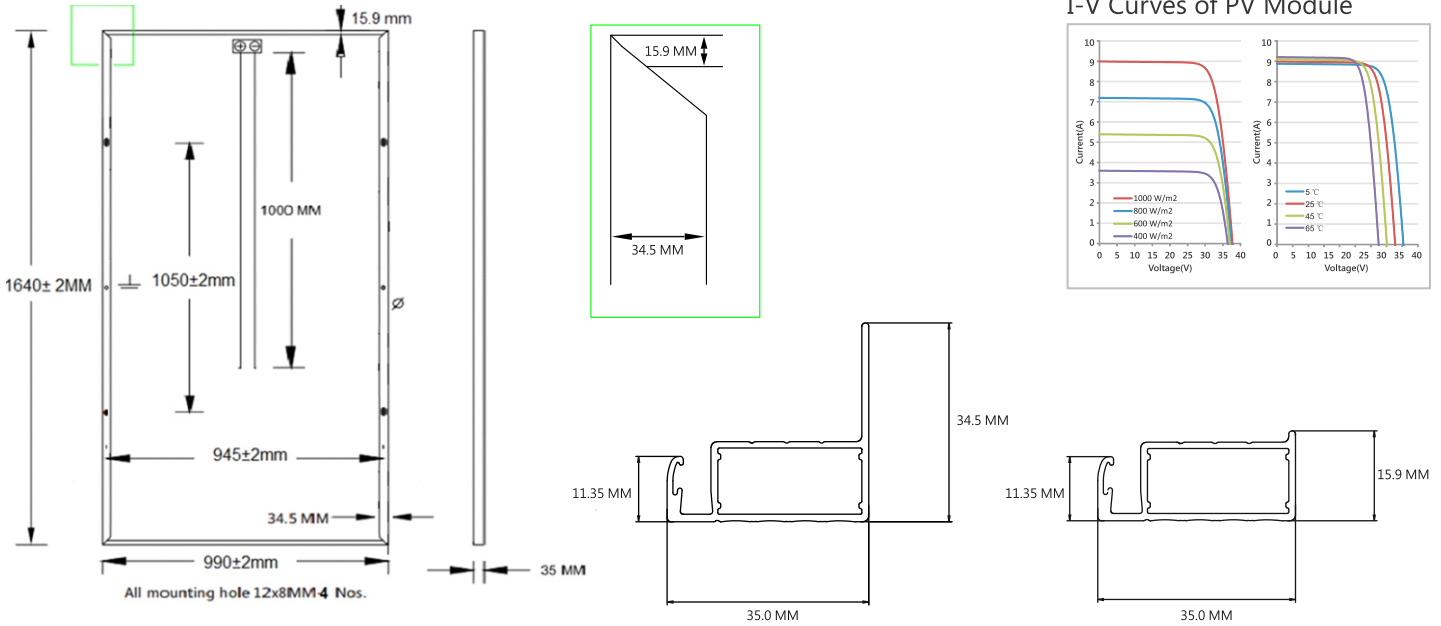
PID Resistant

### Navisol Performance Warranty

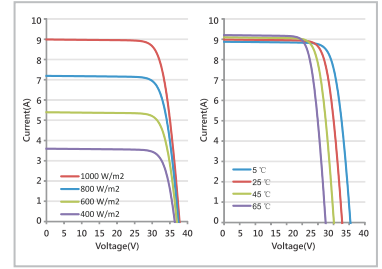
10 Years Product Warranty - 25 Years Linear Power Warranty



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



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 / 1500V DC (IEC)													
Maximum Series fuse rating	15 / 20 A													




### Temperature Characteristics

Specification	Data
Temperature Co-efficient (Pmx)	- 0.38%
Temperature Co-efficient (Voc)	- 0.34%
Temperature Co-efficient (Isc)	+ 0.053%
Nominal Operating CCU Temperature	45±2C





### Mechanical Data

Specification	Data
Cell Type	Multicrystalline
Cell Arrangement	60 (6 x 10)
Dimensions	1640 x 990 x 35 mm.
Weight	19.96 Kgs
Front Cover	3.2mm ARC Glass
Frame Material	Anodized Aluminum Alloy
Junction Box	IP 68
Cable	4mm <sup>2</sup> (IEC) / 4mm <sup>2</sup> & 12 AWG 1000V ( 1000V UL) 1000mm
Connectors	MC4 Comparable
By-Pass Diodes	3 Pcs
Standard Packing	30 Pcs 598.8 Kg (quantity & weight per pallet)
Module Pieces Per Container	660 Pcs (40 feet HQ)

#### STC

-  Irradiance 1000W/m<sup>2</sup>
-  Cell Temperature 25°C
-  AM = 1.5

#### NOCT

-  Irradiance 800W/m<sup>2</sup>
-  Ambient Temperature 20°C
-  AM = 1.5
-  1 m/s

### Dealer Information

