



# Navisol Series

60 Cell Module

Multi Crystalline Module

NS 240P-265P | 240~265 Watts

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 4.99W

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

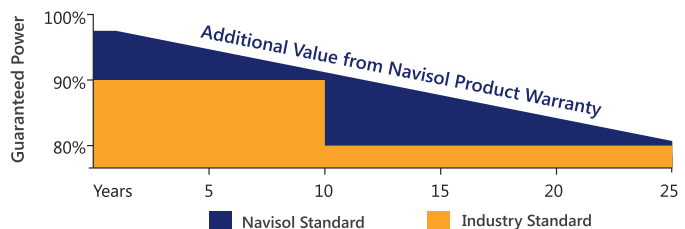


Advanced Glass Efficiency

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

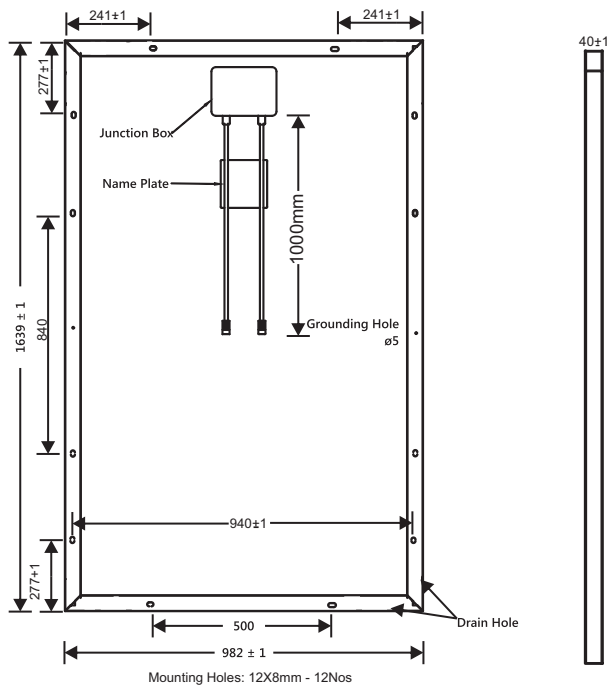
## Navisol Performance Warranty

10 Years Product Warranty - 25 Years Linear Power Warranty

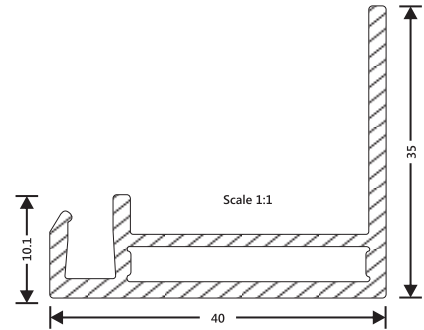
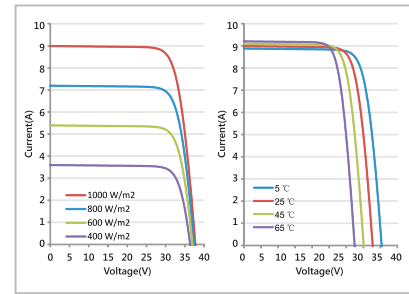


## Certifications\*

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



I-V Curves of PV Module



## ELECTRICAL DATA

| Module Type                     | NS240          |      | NS245 |      | NS250 |      | NS255 |      | NS260 |      | NS265 |      |
|---------------------------------|----------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|                                 | STC            | NOCT | STC   | NOCT | STC   | NOCT | STC   | NOCT | STC   | NOCT | STC   | NOCT |
| Peak Power Watts (Pmax)         | 240            | 174  | 245   | 177  | 250   | 181  | 255   | 185  | 260   | 189  | 265   | 194  |
| Maximum Power Voltage (Vmp)     | 29             | 27.2 | 29.9  | 27.3 | 30.1  | 27.5 | 30.2  | 27.5 | 30.58 | 27.7 | 30.8  | 27.9 |
| Maximum Power Current (Imp)     | 8.1            | 6.39 | 8.19  | 6.48 | 8.3   | 6.6  | 8.43  | 6.71 | 8.5   | 6.83 | 8.6   | 7.0  |
| Open-circuit Voltage (Voc)      | 36.8           | 34.0 | 37.0  | 34.1 | 37.2  | 34.2 | 37.4  | 34.4 | 37.6  | 34.6 | 37.8  | 34.8 |
| Short-circuit Current (Isc) (A) | 8.72           | 6.98 | 8.8   | 7.08 | 8.87  | 7.19 | 9.0   | 7.29 | 9.03  | 7.38 | 9.06  | 7.47 |
| Module Efficiency STC (%)       | 14.88          |      | 15.18 |      | 15.48 |      | 15.78 |      | 16.1  |      | 16.4  |      |
| Operating Temperature (°C)      | -40°C~+85°C    |      |       |      |       |      |       |      |       |      |       |      |
| Maximum system Voltage          | 1000V DC (IEC) |      |       |      |       |      |       |      |       |      |       |      |
| Maximum series fuse rating      | 15A            |      |       |      |       |      |       |      |       |      |       |      |

### Temperature Characteristics

| Specification                     | Data    |
|-----------------------------------|---------|
| Temperature Co-efficient (Pmax)   | - 0.38% |
| Temperature Co-efficient (Voc)    | - 0.34% |
| Temperature Co-efficient (Isc)    | + 0.06% |
| Nominal Operating CCU Temperature | 45±2C   |

### 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  |
| 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 Packaging         | 26 Pcs, 524 Kg (quantity & weight per pallet)                               |
| Module Pieces per contains | 728 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>
- Cell Temperature 20°C
- AM = 1.5
- 1 m/s