



navitasolar™



# Navisol Series

72 Cell / 5 BB Module

Mono Crystalline Bifacial PERC Module

Glass to Transparent Backsheet Module

NS 360W to NS 385W

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 19.07%

## Positive Power Tolerance

Up to 4.99W

10 Years

Product Warranty

25 Years

Performance Warranty

PID Resistant



Ideal for large scale installations

- Increased total power output through generation from front and back side
- Backside power gain up to 30% depending on albedo
- High power reduces installation time, BOS costs, transportation cost, labor cost and land cost.
- Lower LCOE



Excellent low light performance on cloudy days, mornings and evenings



Up to 507 Wp at 30% ground reflectivity



Low thermal coefficients for high energy generation.

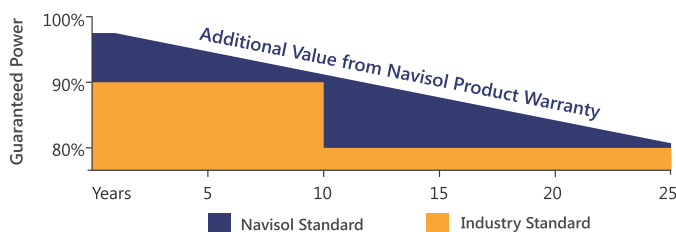


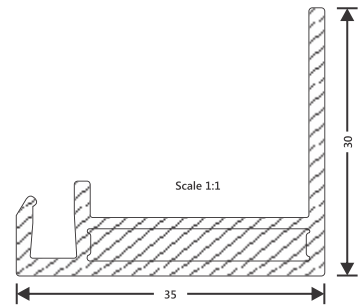
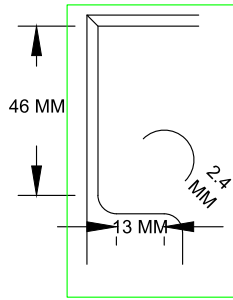
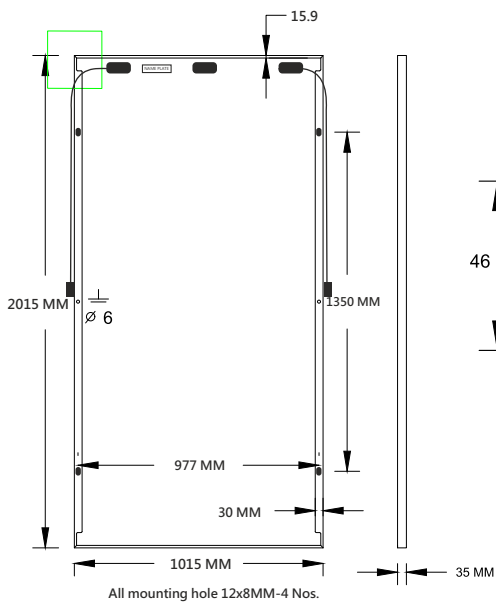
Highly Reliable Due to Stringent Quality Control.

- 100% EL Tested before and after lamination
- Over 30 In-house Tests

## Navisol Performance Warranty

10 Years Product Warranty - 25 Years Linear Power Warranty





## ELECTRICAL DATA

Module Type		Peak Power Watts (Pmax)	Maximum Power Voltage (Vmp)	Maximum Power Current (Imp)	Open-circuit Voltage (Voc) (V)	Short-circuit Current (Isc)(A)	Module Efficiency STC (%)
NSM365	Front Side	365	39.2	9.31	48.00	9.73	17.85
	5%	384	39.2	9.80	48.00	10.24	18.78
	Bifacial Gain	402	39.2	10.26	48.00	10.72	19.66
	(Rear Side)	438	39.2	11.17	48.00	11.68	21.42
	30%	475	39.2	12.12	48.00	12.66	23.22
NSM370	Front Side	370	39.4	9.39	48.20	9.78	18.09
	5%	389	39.4	9.87	48.20	10.28	19.02
	Bifacial Gain	407	39.4	10.33	48.20	10.76	19.90
	(Rear Side)	444	39.4	11.27	48.20	11.73	21.71
	30%	481	39.4	12.21	48.20	12.71	23.52
NSM375	Front Side	375	39.6	9.47	48.40	9.83	18.34
	5%	394	39.6	9.95	48.40	10.40	19.26
	Bifacial Gain	413	39.6	10.43	48.40	10.90	20.19
	(Rear Side)	450	39.6	11.36	48.40	11.87	22.00
	30%	488	39.6	12.32	48.40	12.88	23.86

Module Type		Peak Power Watts (Pmax)	Maximum Power Voltage (Vmp)	Maximum Power Current (Imp)	Open-circuit Voltage (Voc) (V)	Short-circuit Current (Isc)(A)	Module Efficiency STC (%)
NSM380	Front Side	380	39.8	9.55	48.60	9.88	18.58
	5%	399	39.8	10.03	48.60	10.37	19.51
	Bifacial Gain	418	39.8	10.50	48.60	10.87	20.44
	(Rear Side)	456	39.8	11.46	48.60	11.85	22.30
	30%	494	39.8	12.41	48.60	12.84	24.15
NSM385	Front Side	385	40	9.63	48.8	9.93	18.82
	5%	405	40	10.13	48.8	10.44	19.80
	Bifacial Gain	424	40	10.60	48.8	10.93	20.73
	(Rear Side)	462	40	11.55	48.8	11.91	22.59
	30%	501	40	12.53	48.8	12.92	24.50
NSM390	Front Side	390	40.2	9.71	49.00	9.98	19.07
	5%	410	40.2	10.20	49.00	10.49	20.05
	Bifacial Gain	429	40.2	10.67	49.00	10.97	20.98
	(Rear Side)	468	40.2	11.64	49.00	11.97	22.88
	30%	507	40.2	12.61	49.00	12.97	24.79

### Temperature Characteristics & Operating Voltage

Specification	Data
Temperature Co-efficient (Pmax)	+ 0.06%
Temperature Co-efficient (Voc)	- 0.36%
Temperature Co-efficient (Isc)	+ 0.36%
Nominal Operating Cell Temperature	45 ± 2°C
Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage	1500 V DC (IEC)

### Mechanical Data

Specification	Data
Cell Type	Bifacial Mono Crystalline - PERC
Cell Arrangement	72 (6 x 12)
Dimensions	2015 x 1015 x 35 mm
Weight	24 kgs.
Front Cover	3.2mm ARC Glass
Frame Material	Anodized Aluminum Alloy
Junction Box	IP 65 or IP 67
Cable	4mm <sup>2</sup> (IEC) & 12 AWG 1500V (IEC) Length 400mm
Connectors	MC4 Comparable
By-Pass Diodes	3 Pcs
Maximum Series Fuse Rating	15 A/20 A

### 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

\*The above data is liable to change without prior notice