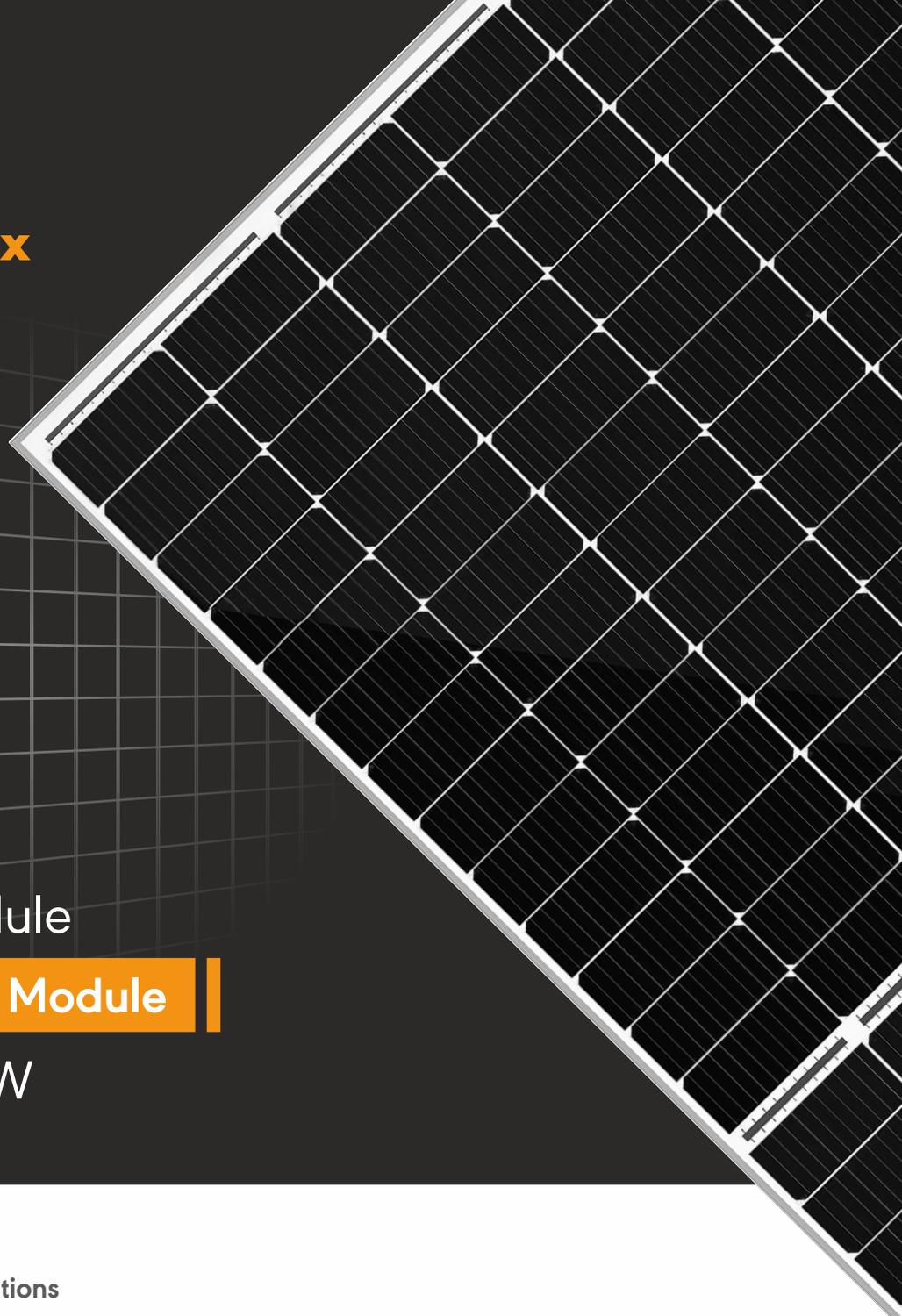# navitas
bonito max

72 Cell | 10 BB Module

Mono PERC Half Cut Module

NSM 260W to 275W

- Ideal for large scale installations
- High power
- Better shading tolerance
- Lower LCOE & system cost
- Excellent temperature performance
- Non-destructive cutting

ALMM Approved List by MNRE*

Module Efficiency up to 21.64%

Power Tolerance up to 4.99W

25 Years Performance Warranty[1]

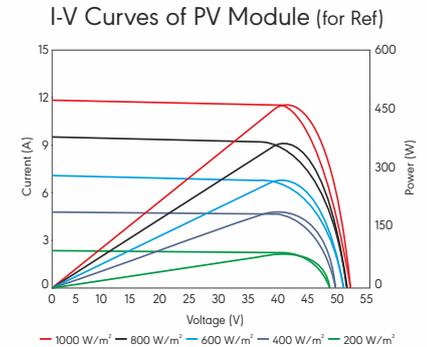**10 Years Product Warranty[1]**

PID Resistant

Product Certifications
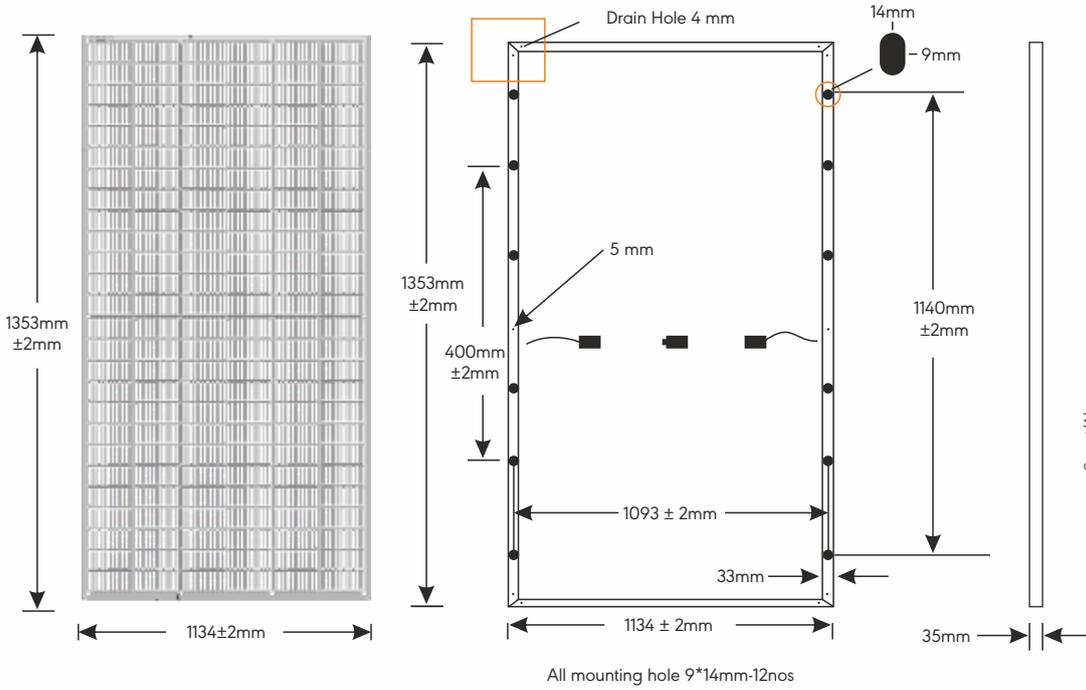
IS 14286*, IS 61730-1 & 2*, IS 62804* IEC 61701*,
Fire Rating *BIS* ISO 9001, 14001, 45001

*In Process

Mechanical Dimensions

Drain Hole 4 mm
14mm
9mm
5 mm
1353mm ±2mm
400mm ±2mm
1140mm ±2mm
1093 ± 2mm
33mm
1353mm ±2mm
1134±2mm
1134 ± 2mm
35mm

All mounting hole 9*14mm-12nos

I-V Curves of PV Module (for Ref)

— 1000 W/m² — 800 W/m² — 600 W/m² — 400 W/m² — 200 W/m²

Electrical Data

Module Type	NSM260-72		NSM265-72		NSM270-72		NSM275-72	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Watts (Pmax)	260	193.99	265	197.26	270	200.72	275	204.49
Maximum Power Voltage (Vmp)	20.68	19.42	20.88	19.61	21.09	19.81	21.26	19.97
Maximum Power Current (Imp)	12.6	9.99	12.69	10.06	12.78	10.13	12.92	10.24
Open-circuit voltage (Voc)	24.27	22.79	24.45	22.96	24.6	23.1	24.75	23.24
Short-circuit current (Isc) (A)	13.26	10.7	13.33	10.76	13.41	10.82	13.53	10.92
Module Efficiency STC (%)	19.62		20		20.38		20.76	
Operating Temperature (°C)	-40°C ~ +85°C							
Maximum System Voltage	1500 V DC (IEC)							
Maximum series fuse rating	15A							

▶ **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	Half cut Mono PERC
Cell Arrangement	72 Mono PERC - 72 Half cells
Dimensions	1353x1134x35 mm
Weight	14.9 Kg.
Front Cover	3.2 mm ARC Glass
Frame Material	Anodized Aluminium Alloy
Junction Box	IP68 Split JB
Cable	4 mm² (IEC) - Length 0.35 mtr (Potrait)/ 1.4 mtr (Landscape)
Connectors	MC4 Compatible
By-Pass Diodes	3 Pcs

Navitas Bonito Performance Warranty

10 Years Product Warranty - 25 Years Linear Power Warranty

■ Bonito Standard ■ Industry Standard

Temperature Characteristic

Specification	Data
Temperature Co-efficient (Pmax)	-0.36% /°C
Temperature Co-efficient (Voc)	-0.36% /°C
Temperature Co-efficient (Isc)	+0.06% /°C
Nominal Operating Cell Temperature	42 ± 2°C

Increased Shade Tolerance

HALF-CELL MODULE

Functions like two parallel modules, enabling the **half-cell** string to work in partial shading

* The above data is liable to change without prior notice
[1] Warranty applicable as per standard warranty terms as available on www.navitassolar.com

www.navitassolar.com

+91 70690 70990