



144 Cell I 10 BB Module Mono PERC Half Cut Module NSM 540

- ALMM Approved List by MNRE*
- Module Efficiency up to 21.67%
- Power Tolerance up to 4.99W
- PID Resistant



Ideal for large
scale installations



High power



Better
shading tolerance



Lower LCOE
& system cost



Excellent
temperature
performance



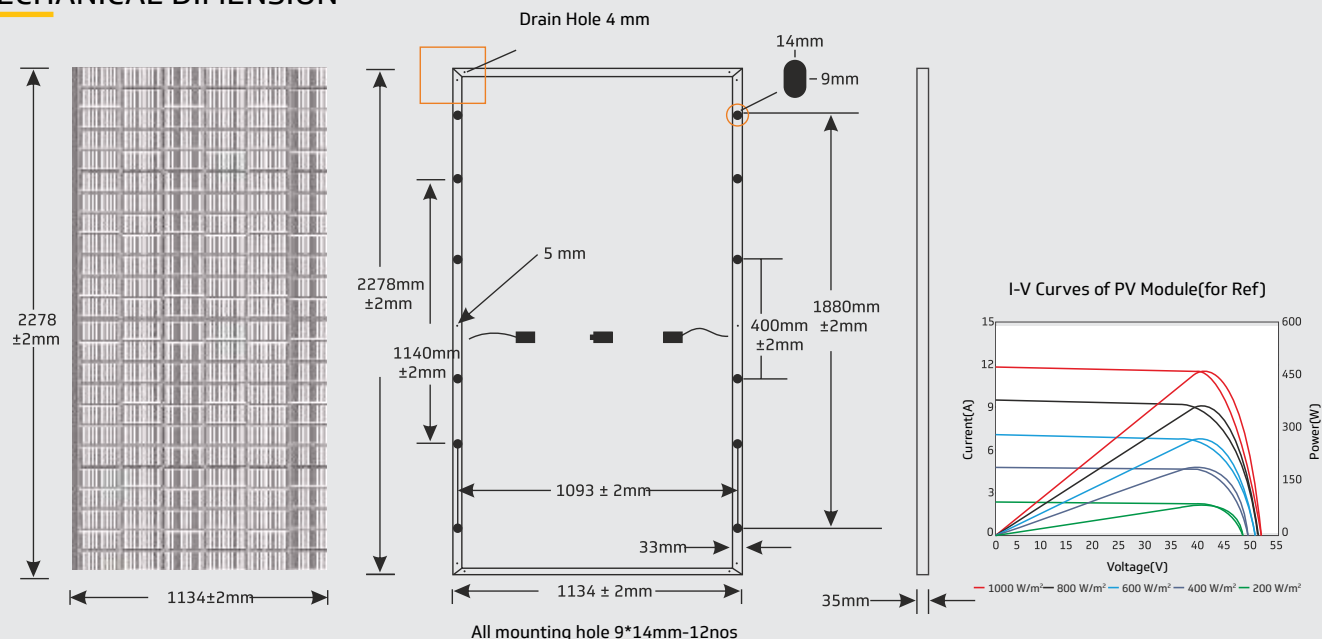
Non-destructive
cutting

Product Certifications

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

*In Process

MECHANICAL DIMENSION



ELECTRICAL DATA

ALMM Module Type	NSM540 - 144		NSM545 - 144	
	STC	NOCT	STC	NOCT
Peak Power Watts (Pmax)	540	401.28	545	405.17
Maximum Power Voltage (Vmp)	42.21	39.63	42.46	39.86
Maximum Power Current (Imp)	12.79	10.13	12.84	10.16
Open-circuit voltage (Voc)	50.16	46.20	50.3	46.35
Short-circuit current (Isc) (A)	13.60	10.84	13.65	10.88
Module Efficiency STC (%)	20.90		21.09	
Operating Temperature (°C)				
Maximum System Voltage				
Maximum series fuse rating				

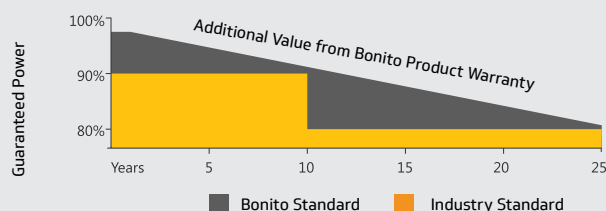
MECHANICAL DATA

Specification	Data
Cell Type	Half cut Mono PERC
Cell Arrangement	72 Mono PERC - 144 Half Cells
Dimensions	2278x1134x35 mm
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 (Portrait)/1.4mtr(Landscape)
Connectors	MC4 Compatible
By-Pass Diodes	3 Pcs

- STC
- ☀ Irradiance 1000 W/m²
- 🌡 Cell Temperature 25°C
- ☁ AM = 1.5
- 🌀 Wind Speed = 1 m/s
- NOCT
- ☀ Irradiance 800 W/m²
- 🌡 Ambient Temperature 20°C
- ☁ AM = 1.5

BONITO PERFORMANCE WARRANTY

10 Years Product Warranty - 25 Years Linear Power Warranty



TEMPERATURE CHARACTERISTIC

Specification	Data
Cell Type	Half cut Mono PERC
Cell Arrangement	72 Mono PERC - 144 Half Cells
Dimensions	2278x1134x35 mm
Weight	29 Kg.

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

*Warranty applicable as per standard warranty terms as available on www.navitassolar.com



Manufactured at

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Marketed by

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