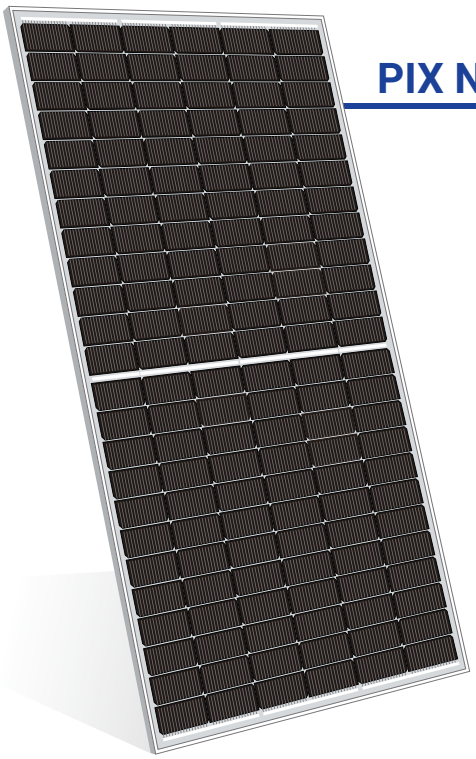
N-Type Mono PV Module
Bifacial Dual Glass

PIXON
Redefining Solar



PIX NTCBHG 5 144
555-575 Wp

Power Tolerance
+4.99Wp

Efficiency Upto
22.26 %

Module Warranty
12 Years

Output Warranty
30 Years

ABOUT PIXON

PIXON is a venture of the Marwadi group. It is equipped with the state-of-the-art technology and turnkey machinery of 1GW line capacity for solar modules and houses clean room environment facility to 1GW manufacturing line for EVA films. As the world adheres to solar energy revolution, PIXON envisions to globally provide efficient solar energy products and solutions. Thus, enhance and contribute to Global Climate Sustainability.

KEY FEATURES

- **PID Resistance** with long term reliability.
- **Better Performance** even at low irradiation.
- Maximum System Voltage: **1500 V DC**.
- Increased string length & **low BOS Cost.**
- Withstand upto **5400 Pa of snow load.**
- Withstand upto **2400 Pa of wind load.**
- **Rigorous Testing Criteria** 100% EL Inspection ensuring defect-free modules.

IDEAL FOR: Utility Projects, Commercial & Industrial Projects, Residential Projects, Institutional Projects, Off-grid Projects

PIXON GREEN ENERGY PRIVATE LIMITED

Manufacturing Unit: R.S. No.: 157/1, 158/1, 158/2, 165/1, 166 of Khijadiya Nana, R.S. No.: 15/1, Rajkot – Jamnagar Highway, Paddhari, Rajkot – 360110

1800 108 8800 | sales@pixonenergy.com

*Due to continuous product updation, specifications may change without notice.

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D/MBHTB/144/240525/E-01-01

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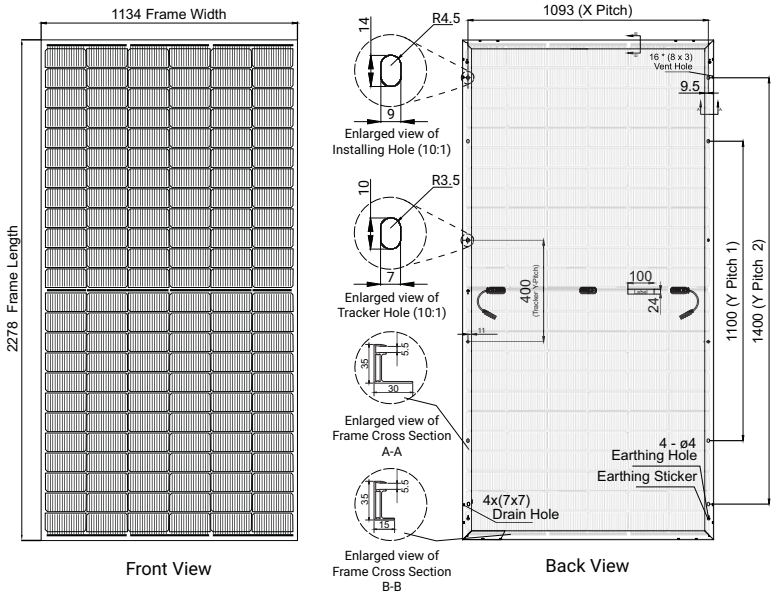
TECHNICAL DATASHEET

Bifacial M10 TOPCON series

PIX NTCBHG 5 144 575	M10	575W	22.26%	+4.99Wp	≤1.0%
N-Type Mono PV Module	16 BB HALF-CUT CELL MODULE	MAXIMUM POWER OUTPUT	MAXIMUM EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION



*All Dimensions are in mm.
*Cable Length may vary based on Requirements.

MECHANICAL DATA

Cells Specifications (Number, Size)	144 Cells , 182 mm X 91 mm
Module Dimensions	2278 mm X 1134 mm X 35 mm
Weight	34 kg
Front Glass	Heat Strengthened Glass, AR coated, 2 mm (T)
Embedding	Low Shrinkage PID Resistance EVA, UV Resistant
Back Glass	Heat Strengthened Glass, 2 mm (T)
Junction Box	IP ﷺ Rated
Number of Diodes	3 Bypass Diodes
Cables & Connectors	Cable Length 400mm, 4mm^2, MC4 Connectors / MC4 Compatible
Frame	Anodized Aluminum Alloy Silver Profile (Black Frame Available on Request)

MECHANICAL LOAD TEST PARAMETERS

Front Side Maximum Static Load	5400Pa
Rear Side Maximum Static Load	2400Pa

TEMPERATURE RATING

NOCT (Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of Current (Isc)	0.046% / °C
Temperature Coefficient of Voltage (Voc)	-0.25% / °C
Temperature Coefficient of Power (Pmax)	-0.30% / °C

OPERATING PARAMETERS

Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A

ELECTRICAL PARAMETERS AT STC (25°C) & NMOT (20°C) (AM 1.5g, 1000 W/m²,1m/s) According to EN 60904-3

Test Conditions		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power	Pmax [Wp]	555	417.40	560	421.10	565	424.80	570	428.60	575	432.40
Module Efficiency	η [%]	21.48	-	21.68	-	21.87	-	22.07	-	22.26	-
Open-Circuit Voltage	Voc [V]	50.64	47.80	50.84	48.29	51.04	48.48	51.24	48.67	51.44	48.86
Short-Circuit Current	Isc [A]	14.09	11.37	14.13	11.42	14.17	11.47	14.21	11.52	14.25	11.56
Max Rated Voltage	Vmp [V]	42.28	39.80	42.48	39.84	42.68	39.89	42.88	39.95	43.08	40
Max Rated Current	Imp [A]	13.13	10.49	13.18	10.56	13.24	10.63	13.29	10.70	13.35	10.78

ELECTRICAL PARAMETERS AT BSTC (DIFFERENT REAR SIDE POWER GAIN)

5%	Peak Power	Pmax [Wp]	582.8	588	593.30	598.50	604
	Module Efficiency	η [%]	22.60	22.80	23	23.20	23.40
15%	Peak Power	Pmax [Wp]	638.30	644	649.80	655.50	661.30
	Module Efficiency	η [%]	24.70	24.90	25.20	25.40	25.60
25%	Peak Power	Pmax [Wp]	693.80	700	706.30	712.50	718.80
	Module Efficiency	η [%]	26.90	27.10	27.30	27.60	28

*Power gain from rear side depends upon the ground Reflectance & Bifaciality factor.

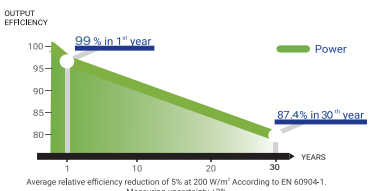
PACKAGING CONFIGURATION

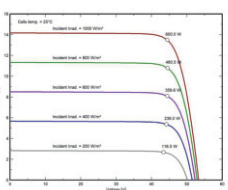
Modules per Box	31 Pieces
Modules per 40' Container	620 Pieces

WARRANTY

Product Warranty	12 Years
Performance Warranty	30 Years Linear Power Warranty 0.4% Annual Degradation Over 30 Years

*Note : These certificates are under process.





Average relative efficiency reduction of 5% at 200 W/m² According to EN 60904-1.
Measuring uncertainty ±3%

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