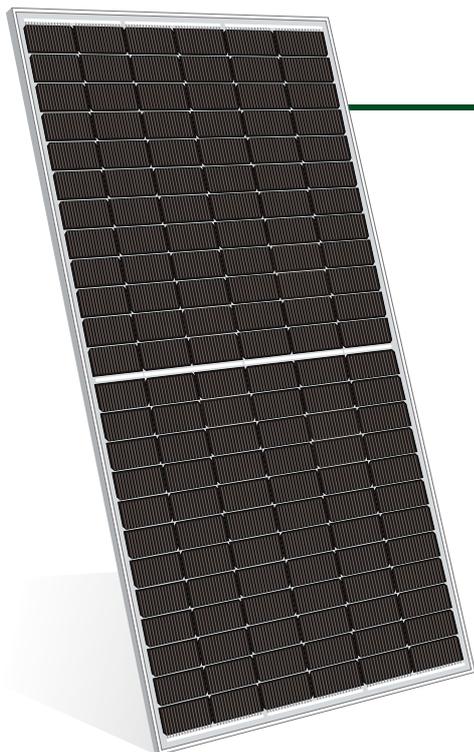


N Type Topcon PV Module

Bifacial Glass-to-Glass



PIX 120 HT
615-650 Wp



Power Tolerance
+4.99Wp



Efficiency Upto
22.97 %



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.



**Solar is
the new Green!**

PIX 120 HT 650 **G12** **650W** **22.97%** **+4.99Wp** **≤1.0%**

N Type Topcon PV Modules

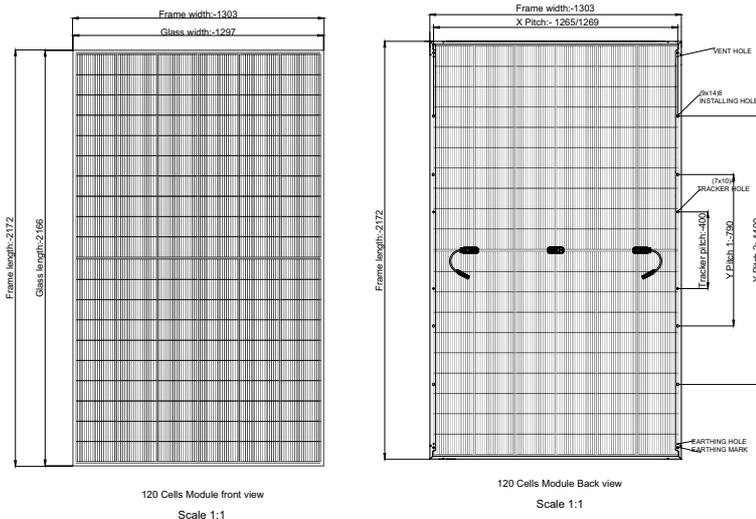
18 BB HALF-CUT CELL MODULE

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

Length x Width x Thickness (L x W x T)	2172(L)x1303(W)x35/30(T)
Weight	35.5 Kg
Solar Cells per Module (Units) / Arrangement	(10x6)x2
Solar Cell Type & Size	G12 Ntype TOPcon Bifacial
Front Glass (Material / Thickness)	2 mm Low Iron HTAR semi-tempered glass
Back Glass (Material / Thickness)	2 mm Low Iron Printed semi-tempered glass
Encapsulate	PID free & UV Resistant
Junction Box (Protection degree / Material)	IP68 / Weatherproof PPO
Cable & Connector (Protection degree / Type)	IP68 rated / MC4 compatible
Cable cross-section & Length	4 mm ² & 400mm
Frame	Anodized Aluminium Alloy

MECHANICAL LOADING

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

THERMAL CHARACTERISTICS

Temp coefficient of current (Isc) (%/°C)	0.046	Operating temperature range	-40 to 85
Temp coefficient of voltage (Voc) (%/°C)	-0.26	Biafaciality factor	80±10
Temp coefficient of power (Pmax) (%/°C)	-0.30	Maximum System voltage	1500 VDC
NOCT (%/°C)	43±2	Maximum Series Fuse Rating	35 A

ELECTRICAL PARAMETERS AT STC & NOCT

Test Conditions		STC	NOCT														
Peak Power	Pmax [Wp]	615	466.2	620	470	625	473.8	630	477.5	635	481.3	640	485.1	645	488.9	650	492.7
Module Efficiency	η [%]	21.73	-	21.91	-	22.36	-	22.26	-	22.44	-	22.61	-	22.79	-	22.97	-
Open-Circuit Voltage	Voc [V]	43.44	41.27	43.62	41.44	56.88	41.61	43.98	41.78	44.16	41.95	44.34	42.12	44.52	42.29	44.7	42.47
Short-Circuit Current	Isc [A]	18.13	14.61	18.17	14.65	13.88	14.69	18.26	14.72	18.3	14.75	18.34	14.78	18.38	14.81	18.42	14.85
Max Rated Voltage	Vmp [V]	35.94	33.5	36.15	33.69	47.60	33.89	36.56	34.08	36.77	34.27	36.97	34.46	37.18	34.65	37.38	34.84
Max Rated Current	Imp [A]	17.11	13.79	17.15	13.82	13.13	13.86	17.23	13.89	17.27	13.92	17.31	13.95	17.35	13.98	17.39	14.02

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

	Peak Power (STC)	615	620	625	630	635	640	645	650
12%	Maximum Power (Pmax)	707	713	719	725	730	736	745	748
	Module Efficiency (%)	24.99	25.2	25.39	25.6	25.81	26.00	26.21	26.42
15%	Maximum Power (Pmax)	738	744	750	756	762	768	774	780
	Module Efficiency (%)	26.08	26.29	26.50	26.71	26.93	27.13	27.35	27.56
20%	Maximum Power (Pmax)	769	775	781	788	794	800	806	813
	Module Efficiency (%)	27.16	27.39	27.6	27.83	28.05	28.26	28.49	28.71
25%	Maximum Power (Pmax)	800	806	813	819	826	832	839	845
	Module Efficiency (%)	28.25	28.48	28.7	28.94	29.17	29.39	29.63	29.86

PACKAGING CONFIGURATION

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

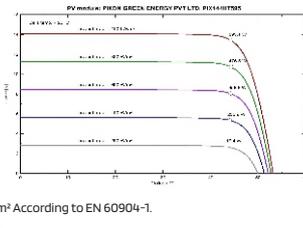
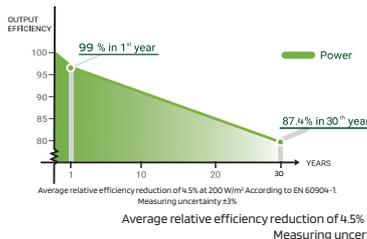
WARRANTY

Product Warranty	12 Years
Performance Warranty	30 Year linear power warranty 0.40% Annual degradation over 30 years.

CERTIFICATIONS



*Note: These certificates are under process.



Solar is the new Green!