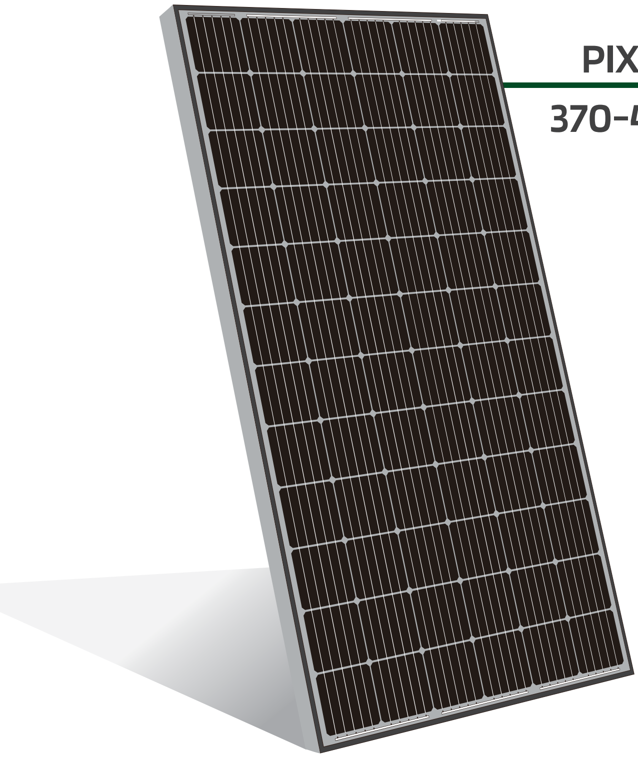
Mono Crystalline PERC PV Modules

PIXON
Redefining Solar



PIX MP3 72
370-400 Wp

Power Tolerance
+4.99Wp

Efficiency Upto
20.15 %

Module Warranty
10 Years

Output Warranty
25 Years

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

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ABOUT PIXON

PIXON is a venture of the Marwadi group. It is equipped with the state-of-the-art technology and turnkey machinery of 1.3 GW line capacity for solar modules and houses clean room environment facility to 1 GW 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.

CERTIFICATIONS

ALMM

ALMM APPROVED

IEC (International Electrotechnical Commission)
- IEC 61215-1:2016
- IEC 61215-2:2016
- IEC 61730-1:2016
- IEC 61730-2:2016
- IEC TS 62804-1
- IEC 61701 End.2:2011 Severity-6
- IEC 61853-1
- IEC 60904-1
- IEC 62716:2013

BIS: Bureau of Indian Standards
- IS 14286:2010
- IS 61730-1:2004
- IS 61730-2:2004

US Certification
- UL 61215-1:2017
- UL 61215-2:2017
- UL 61730-1:2017
- UL 61730-2:2017

ISO Certification
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018 (OHSAS)

CE Mark Testing & Certification

CLASS II

CLASS II

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

Solar is the new Green!

D/MP3/72/110725/E-01-01

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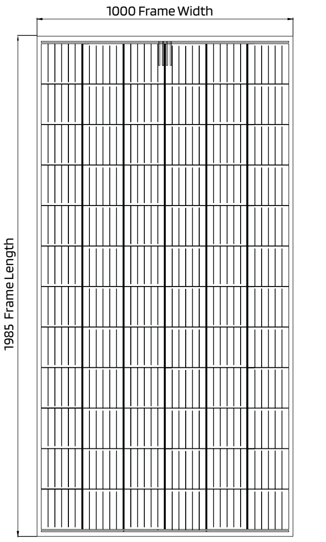
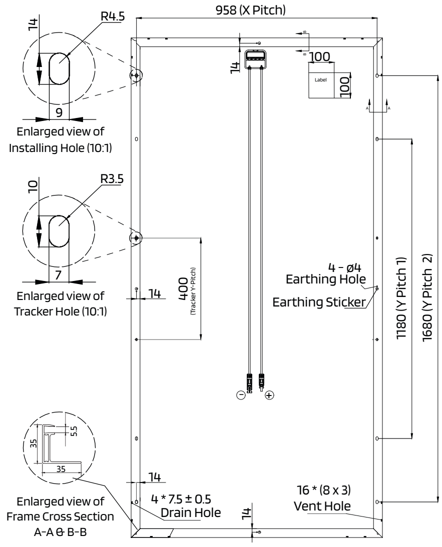
TECHNICAL DATASHEET
MONOFACIAL G1 SERIES

PIX Mp3 72 400	G1	400W	20.15%	+4.99Wp	<2.5%
Mono Crystalline Perc PV Modules	5 BB FULL CELL	MAXIMUM POWER OUTPUT	MAXIMUM EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION



Front View



Back View

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

MECHANICAL DATA

Cells Specifications (Number, Size)	72 Cells, 158.75 mm X 158.75 mm
Module Dimensions	1985 mm X 1000 mm X 35 mm
Weight	22 kg
Glass	High Transmission Low Iron Tempered Glass, AR coated, 3.2 mm (T)
Embedding	Low Shrinkage PID Resistance EVA, UV Resistant
Backsheet	PVDF
Junction Box	IP 68 Rated
Number of Diodes	3 Bypass Diodes
Cables & Connectors	Cable Length 1200mm, 4mm², MC4 Connectors, IP 68
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)	43°C (±2°C)
Temperature Coefficient of Current (Isc)	0.0626% / °C
Temperature Coefficient of Voltage (Voc)	-0.3090% / °C
Temperature Coefficient of Power (Pmax)	-0.4080% / °C

OPERATING PARAMETERS

Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	15A

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

Peak Power	Pmax [Wp]	370	375	380	385	390	395	400
Module Efficiency	η [%]	18.64	18.89	19.14	19.40	19.65	19.90	20.15
Open-Circuit Voltage	Voc [V]	47.16	47.38	47.52	47.74	47.95	48.17	48.53
Short-Circuit Current	Isc [A]	10.15	10.18	10.25	10.27	10.32	10.36	10.40
Max Rated Voltage	Vmp [V]	40.25	40.31	40.61	40.82	41.04	41.33	41.69
Max Rated Current	Imp [A]	9.20	9.31	9.36	9.44	9.51	9.56	9.60

ELECTRICAL PARAMETERS AT NMOT (AM 1.5g, 800 W/m², 20°C) According to EN 60904-3

Peak Power	Pmax [Wp]	274.45	278.15	281.72	285.60	289.27	292.84	296.63
Open-Circuit Voltage	Voc [V]	44.25	44.45	44.58	44.79	44.99	45.19	45.53
Short-Circuit Current	Isc [A]	8.22	8.25	8.30	8.32	8.36	8.39	8.42
Rated Voltage	Vmp [V]	37.76	37.82	38.10	38.30	38.50	38.78	39.11
Rated Current	Imp [A]	7.27	7.35	7.39	7.46	7.51	7.55	7.58

PACKAGING CONFIGURATION

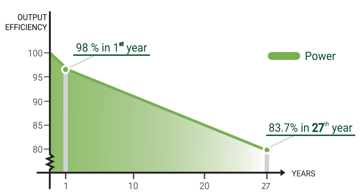
Modules per Box	31 Pieces
Modules per 40' Container	682 Pieces

WARRANTY

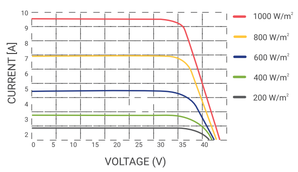
Product Warranty	10 Years
Performance Warranty	25 Years Linear Power Warranty

CERTIFICATIONS

ALMM



PERFORMANCE WARRANTY



TYPICAL I-V CURVES

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

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