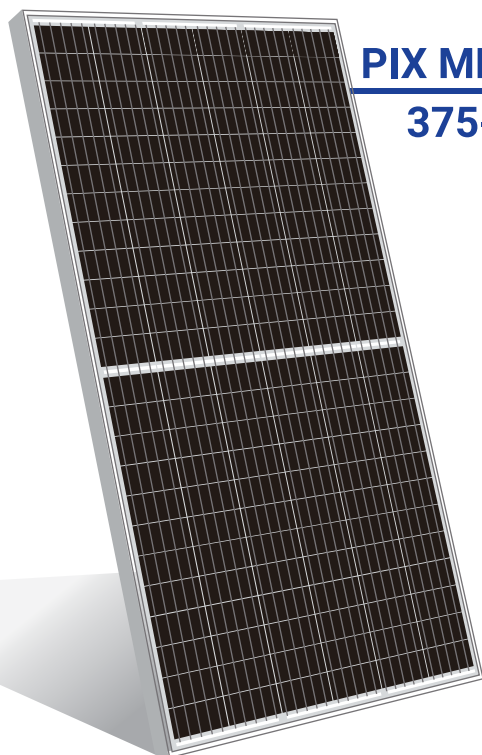


Mono Crystalline PERC Half-Cut Cell PV Modules



PIX MPH3 144
375-410 Wp



Power Tolerance
+4.99Wp



Efficiency Upto
20.40 %



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

1800 108 8800 | sales@pixonenergy.com

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 GW 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.

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

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



Solar is
the new Green!

PIX MPH3 144 410

G1

410W

20.40%

+4.99Wp

<2.5%

Mono Crystalline Perc PV Modules

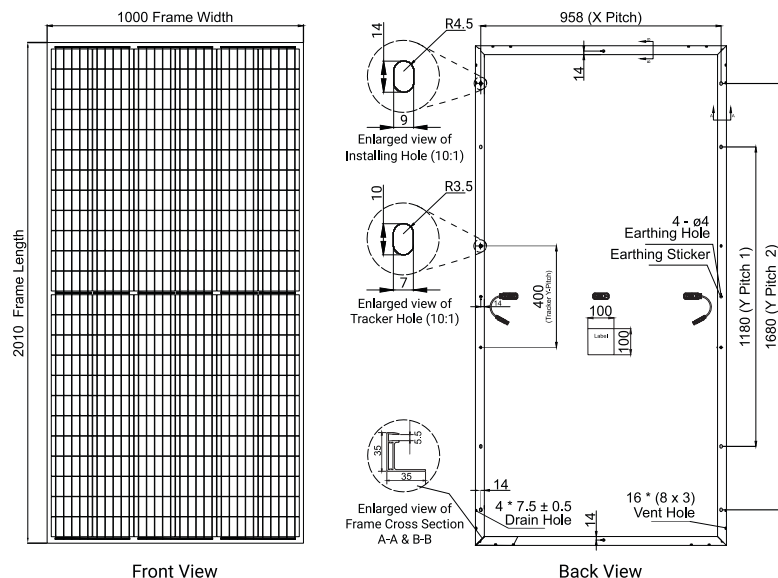
5 BB HALF-CUT
CELL MODULE

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 , 158.75 mm X 79.38 mm
Module Dimensions	2010 mm X 1000 mm X 35 mm
Weight	23.5 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, 4mm ² , 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]	375	380	385	390	395	400	405	410
Module Efficiency	η [%]	18.66	18.91	19.15	19.40	19.65	19.90	20.15	20.40
Open-Circuit Voltage	Voc [V]	47.45	47.59	47.81	48.02	48.24	48.60	48.89	49.25
Short-Circuit Current	Isc [A]	10.17	10.24	10.26	10.29	10.35	10.39	10.44	10.48
Max Rated Voltage	Vmp [V]	40.54	40.68	40.90	41.11	41.40	41.76	41.90	42.19
Max Rated Current	Imp [A]	9.26	9.35	9.43	9.50	9.55	9.59	9.67	9.72

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

Peak Power	Pmax [Wp]	278.18	281.88	285.68	289.32	293.00	296.73	300.20	303.92
Open-Circuit Voltage	Voc [V]	44.52	44.65	44.85	45.06	45.26	45.60	45.87	46.20
Short-Circuit Current	Isc [A]	8.24	8.29	8.31	8.34	8.39	8.42	8.46	8.49
Rated Voltage	Vmp [V]	38.03	38.17	38.37	38.57	38.84	39.18	39.31	39.58
Rated Current	Imp [A]	7.31	7.39	7.45	7.50	7.54	7.57	7.64	7.68

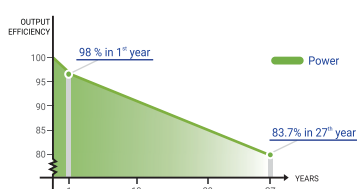
PACKAGING CONFIGURATION

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

WARRANTY

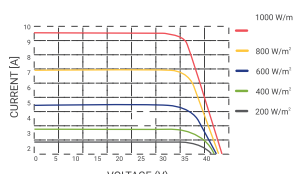
Product Warranty	10 Years
Performance Warranty	25 Years Linear Power Warranty

CERTIFICATIONS



PERFORMANCE WARRANTY

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



TYPICAL I-V CURVES



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the new Green!**