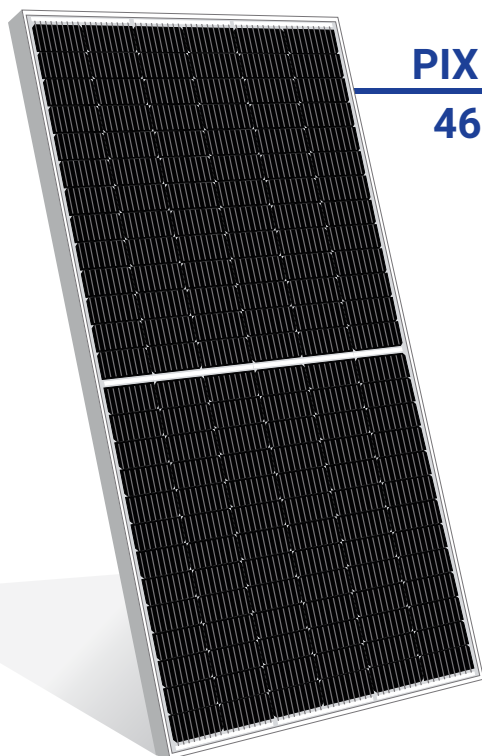


# Mono Crystalline PERC Half-Cut Cell PV Modules

Monofacial Glass to Backsheet



**PIX MPH 156**  
**460-500 Wp**



Power Tolerance  
**+4.99Wp**



Efficiency Upto  
**21.32 %**



Module Warranty  
**12 Years**



Output Warranty  
**27 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

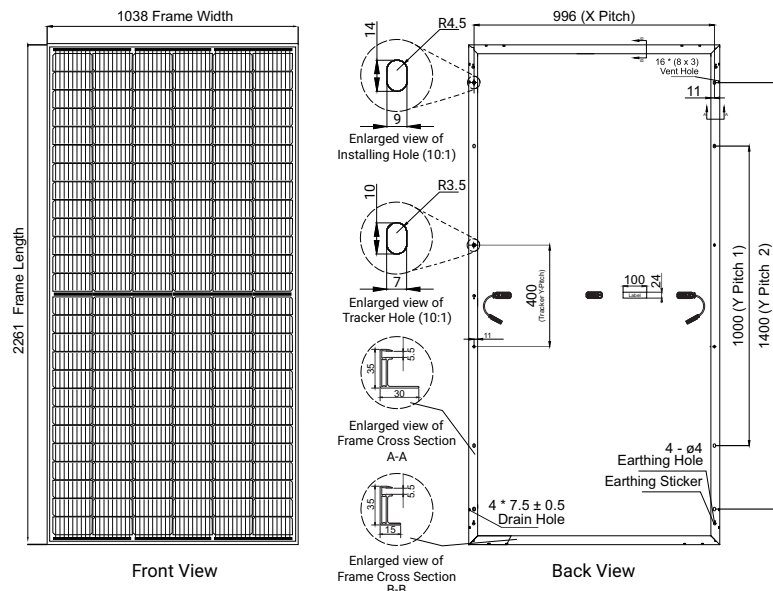
### PIXON GREEN ENERGY PRIVATE LIMITED

**Corporate Office:** 2<sup>nd</sup> Floor, Star Avenue, Nr. Moti Tanki Chowk, Gymkhana Road, Rajkot - 360001. Gujarat, India.

**Manufacturing Unit:** Rajkot - Jamnagar Highway, PO: Depaliya, TA: Padadhari, Rajkot - 360110. Gujarat, India.



**Solar is  
the new Green!**

**PIX MPH 156 500****M6****500W****21.32%****+4.99Wp****≤2.0%****Mono Crystalline Perc PV Modules****9 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)	156 Cells , 166 mm X 83 mm
Module Dimensions	2261 mm X 1038 mm X 35 mm
Weight	29 kg
Glass	High Transmission Low Iron Tempered Glass, AR coated, 3.2 mm (T)
Embedding	Low Shrinkage PID Resistance EVA, UV Resistant
Backsheet	PVDF / Tedlar
Junction Box	IP 68 Rated
Number of Diodes	3 Bypass Diodes
Cables & Connectors	Cable Length 400mm, 4mm <sup>2</sup> , 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)	43°C (±2°C)
Temperature Coefficient of Current (Isc)	+0.04%/°C
Temperature Coefficient of Voltage (Voc)	-0.25%/°C
Temperature Coefficient of Power (Pmax)	-0.34%/°C

**OPERATING PARAMETERS**

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

**ELECTRICAL PARAMETERS AT STC (AM 1.5g, 1000 W/m<sup>2</sup>, 1m/s, 25°C) According to EN 60904-3**

	Pmax [Wp]	460	465	470	475	480	485	490	495	500
Peak Power	Pmax [Wp]	460	465	470	475	480	485	490	495	500
Module Efficiency	$\eta$ [%]	19.60	19.81	20.03	20.25	20.46	20.67	20.89	21.10	21.32
Open-Circuit Voltage	Voc [V]	53.16	53.23	53.29	53.41	53.52	53.63	53.72	53.82	53.93
Short-Circuit Current	Isc [A]	11.18	11.28	11.39	11.48	11.56	11.67	11.78	11.89	11.98
Max Rated Voltage	Vmp [V]	45.41	45.50	45.60	45.69	45.78	45.85	45.94	46.02	46.11
Max Rated Current	Imp [A]	10.13	10.22	10.31	10.40	10.49	10.58	10.67	10.76	10.85

**ELECTRICAL PARAMETERS AT NMOT (AM 1.5g, 800 W/m<sup>2</sup>, 20°C) According to EN 60904-3**

	Pmax [Wp]	346.74	350.51	354.37	358.17	361.98	365.65	369.48	373.25	377.11
Peak Power	Pmax [Wp]	346.74	350.51	354.37	358.17	361.98	365.65	369.48	373.25	377.11
Open-Circuit Voltage	Voc [V]	50.50	50.57	50.63	50.74	50.84	50.95	51.03	51.13	52.23
Short-Circuit Current	Isc [A]	9.02	9.10	9.19	9.26	9.32	9.41	9.50	9.59	9.66
Rated Voltage	Vmp [V]	43.14	43.23	43.32	43.41	43.49	43.56	43.64	43.72	43.80
Rated Current	Imp [A]	8.04	8.11	8.18	8.25	8.32	8.39	8.47	8.54	8.61

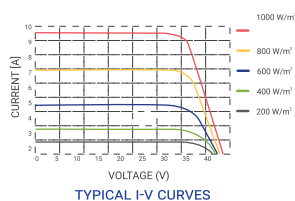
**PACKAGING CONFIGURATION**

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

**WARRANTY**

Product Warranty	12 Years
Performance Warranty	27 Years Linear Power Warranty 0.55% Annual Degradation Over 27 Years

\*This is a PROVISIONAL DATASHEET.


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the new Green!**