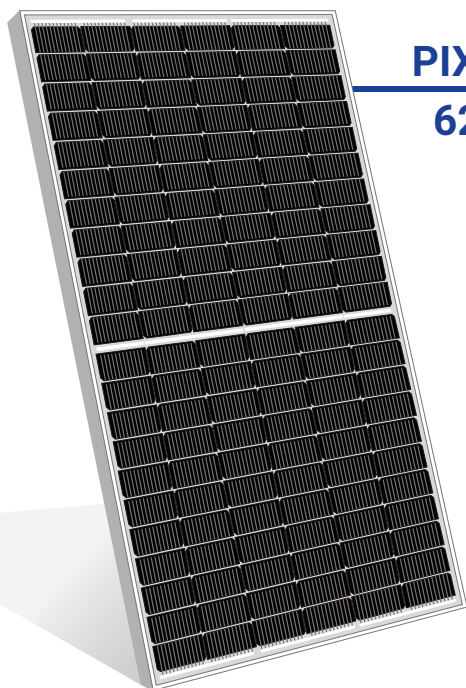


Mono Crystalline PERC Half-Cut Cell PV Modules

Monofacial Glass to Backsheet



PIX MPH 132
625-665 Wp



Power Tolerance
+4.99Wp



Efficiency Upto
21.21 %



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

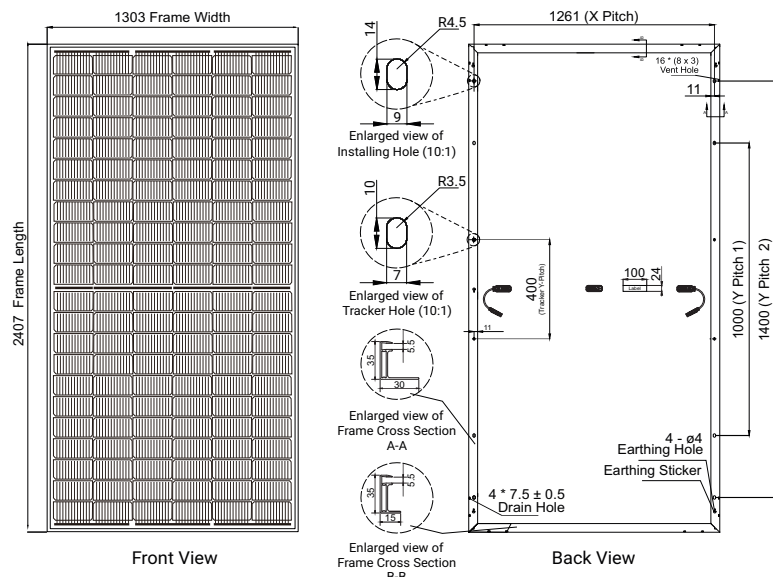
PIXON GREEN ENERGY PRIVATE LIMITED

Corporate Office: 2nd 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 156 665
M12
665W
21.21%
+4.99Wp
≤2.0%
Mono Crystalline Perc PV Modules
**12 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) | 132 Cells , 210 mm X 105 mm |
| Module Dimensions | 2407 mm X 1303 mm X 35 mm |
| Weight | 34 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 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) | 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/m², 1m/s, 25°C) According to EN 60904-3

| | Pmax [Wp] | 625 | 630 | 635 | 640 | 645 | 650 | 655 | 660 | 665 |
|-----------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Peak Power | Pmax [Wp] | 625 | 630 | 635 | 640 | 645 | 650 | 655 | 660 | 665 |
| Module Efficiency | η [%] | 19.93 | 20.09 | 20.25 | 20.42 | 20.57 | 20.73 | 21.89 | 21.06 | 21.21 |
| Open-Circuit Voltage | Voc [V] | 45.60 | 45.70 | 45.80 | 45.90 | 46 | 46.10 | 46.20 | 46.30 | 46.40 |
| Short-Circuit Current | Isc [A] | 17.55 | 17.65 | 17.76 | 17.85 | 17.93 | 18.02 | 18.10 | 18.17 | 18.26 |
| Max Rated Voltage | Vmp [V] | 37.10 | 37.20 | 37.30 | 37.40 | 37.50 | 37.60 | 37.70 | 37.80 | 37.90 |
| Max Rated Current | Imp [A] | 16.85 | 16.94 | 17.03 | 17.12 | 17.20 | 17.29 | 17.38 | 17.47 | 17.55 |

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

| | Pmax [Wp] | 471.21 | 475 | 478.81 | 482.63 | 486.18 | 490.03 | 493.89 | 497.76 | 501.37 |
|-----------------------|-----------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| Peak Power | Pmax [Wp] | 471.21 | 475 | 478.81 | 482.63 | 486.18 | 490.03 | 493.89 | 497.76 | 501.37 |
| Open-Circuit Voltage | Voc [V] | 43.32 | 43.41 | 43.51 | 43.60 | 43.70 | 43.79 | 43.89 | 43.98 | 44.08 |
| Short-Circuit Current | Isc [A] | 14.15 | 14.24 | 14.32 | 14.40 | 14.46 | 14.53 | 14.60 | 14.65 | 14.73 |
| Max Rated Voltage | Vmp [V] | 35.25 | 35.34 | 35.44 | 35.53 | 35.63 | 35.72 | 35.82 | 35.91 | 36.01 |
| Max Rated Current | Imp [A] | 13.37 | 13.44 | 13.51 | 13.58 | 13.65 | 13.72 | 13.79 | 13.86 | 13.92 |

PACKAGING CONFIGURATION

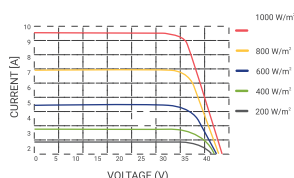
| | |
|---------------------------|------------|
| Modules per Box | 31 Pieces |
| Modules per 40' Container | 496 Pieces |

WARRANTY

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

*This is a PROVISIONAL DATASHEET.


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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