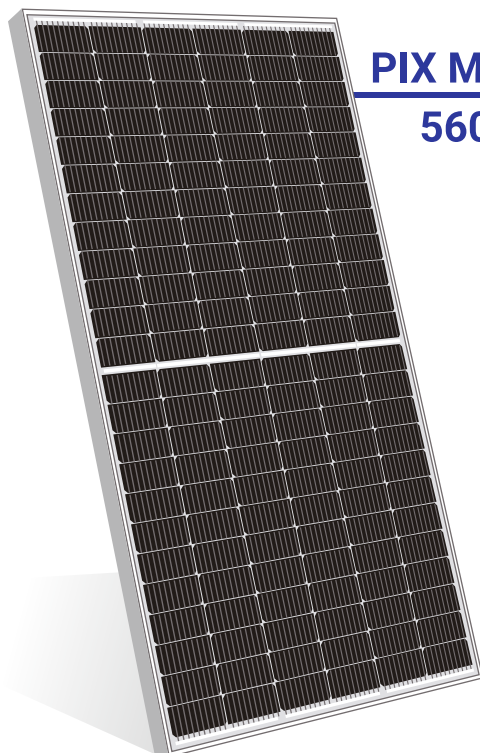


# Mono PERC Half - Cut DCR Glass to Backsheet PV Modules



**PIX MPHD 156**  
**560-595 Wp**



Power Tolerance  
**+4.99Wp**



Efficiency Upto  
**21.25 %**



Module Warranty  
**12 Years**



Output Warranty  
**27 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 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- IEC TS 61701 Ed.3 :2020 Severity-6
- IEC TS 62804-1:2015
- IEC 61853-1:2011
- IEC 61853-2:2016
- IEC 62716:2013
- IEC 60068-2-68:1994-08
- IEC TS 63342:2022

### BIS: Bureau of Indian Standards

- IS 14286:2010
- IS 61730-1:2004
- IS 61730-2:2004

### US Certification

- UL 61730-1:2022
- UL 61730-2:2022

### ISO Certification

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

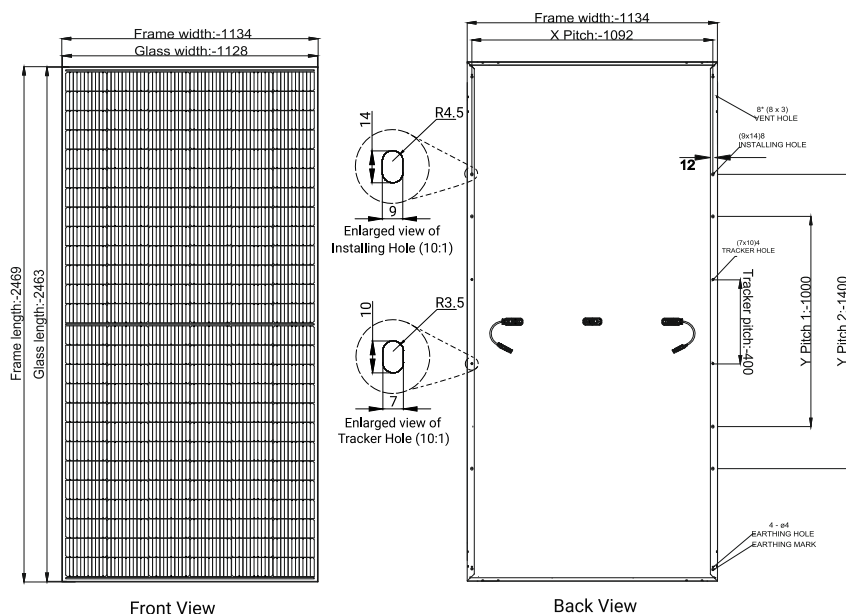
### CE Mark Testing & Certification

CLASS II

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



**Solar is**  
**the new Green!**

**PIX MPHD 156 595****M10****595W****21.25%****+4.99Wp****≤2.0%****Mono Crystalline Perc DCR PV Modules****10 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<br>(Number, Size) | 156 Cells , 182 mm X 91 mm                                                |
| Module Dimensions                      | 2469 mm X 1134 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) | 45°C (±2°C) |
| Temperature Coefficient of Current (Isc)  | 0.04% / °C  |
| Temperature Coefficient of Voltage (Voc)  | -0.24% / °C |
| Temperature Coefficient of Power (Pmax)   | -0.31% / °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**

|                       |           |       |       |       |       |       |       |       |       |
|-----------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Peak Power            | Pmax [Wp] | 560   | 565   | 570   | 575   | 580   | 585   | 590   | 595   |
| Module Efficiency     | η [%]     | 20.01 | 20.18 | 20.36 | 20.54 | 20.72 | 20.90 | 21.08 | 21.25 |
| Open-Circuit Voltage  | Voc [V]   | 53.51 | 53.63 | 53.72 | 53.82 | 53.92 | 54.02 | 54.14 | 54.23 |
| Short-Circuit Current | Isc [A]   | 13.34 | 13.45 | 13.56 | 13.65 | 13.76 | 13.85 | 13.95 | 13.95 |
| Max Rated Voltage     | Vmp [V]   | 45.36 | 45.46 | 45.57 | 45.65 | 45.76 | 45.87 | 45.97 | 46.13 |
| Max Rated Current     | Imp [A]   | 12.35 | 12.43 | 12.51 | 12.6  | 12.68 | 12.76 | 12.84 | 12.9  |

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

|                       |           |        |        |        |        |        |        |        |        |
|-----------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| Peak Power            | Pmax [Wp] | 422.26 | 425.93 | 429.71 | 433.56 | 437.36 | 441.18 | 444.92 | 448.55 |
| Open-Circuit Voltage  | Voc [V]   | 50.83  | 50.95  | 51.03  | 51.13  | 51.22  | 51.32  | 51.43  | 51.52  |
| Short-Circuit Current | Isc [A]   | 10.76  | 10.85  | 10.94  | 11.01  | 11.10  | 11.17  | 11.25  | 11.25  |
| Rated Voltage         | Vmp [V]   | 43.09  | 43.19  | 43.29  | 43.37  | 43.47  | 43.58  | 43.67  | 43.82  |
| Rated Current         | Imp [A]   | 9.80   | 9.86   | 9.93   | 10.00  | 10.06  | 10.12  | 10.19  | 10.24  |

**PACKAGING CONFIGURATION**

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

**WARRANTY**

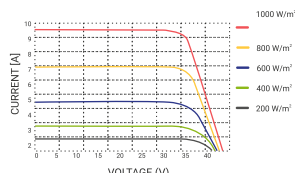
|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Product Warranty     | 12 Years                                                                 |
|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

**CERTIFICATIONS**

ALMM



PERFORMANCE WARRANTY

Average relative efficiency reduction of 5% at 200 W/m<sup>2</sup> According to EN 60904-1.  
Measuring uncertainty ±3%

TYPICAL I-V CURVES


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the new Green!**