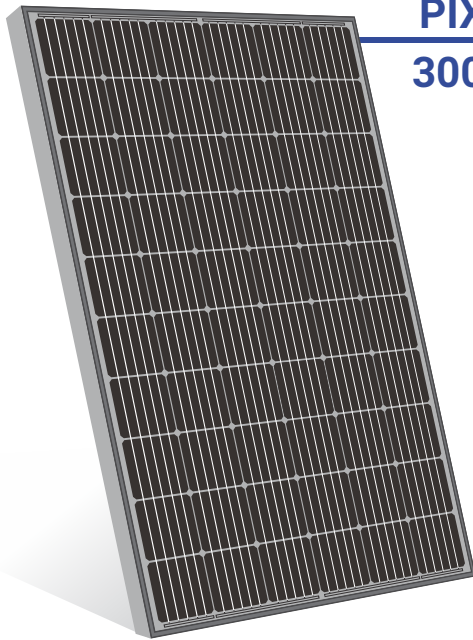


# Mono Crystalline PERC PV Modules



**PIX MP3 60**  
**300-335 Wp**



Power Tolerance  
**+4.99Wp**



Efficiency upto  
**20.03 %**



Module Warranty  
**10 Years**



Output Warranty  
**25 Years**

## KEY FEATURES



**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.**

**IDEAL FOR:** Utility Projects, Commercial & Industrial Projects, Residential Projects, Institutional Projects, Off-grid Projects

### PIXON GREEN ENERGY PRIVATE LIMITED

**Regd. 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.

## ABOUT PIXON

PIXON is a venture of the Marwadi Group. It is equipped with the state-of-the-art technology and turnkey machinery of 400 MW line capacity. As the world adheres to the solar energy revolution, PIXON envisions to globally provide efficient solar energy products & solutions. Thus, enhance and contribute to the Global Climate Sustainability.

## CERTIFICATIONS



**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

**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



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

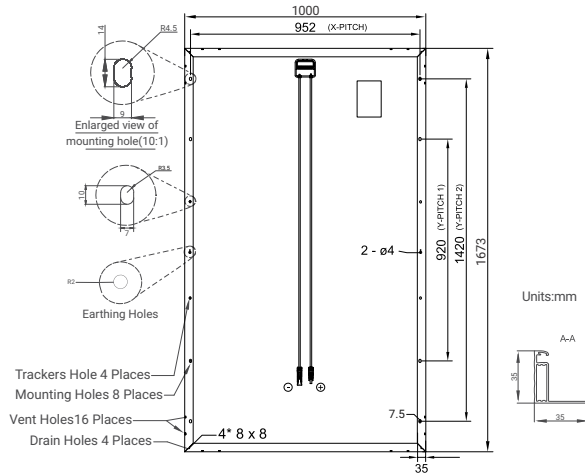
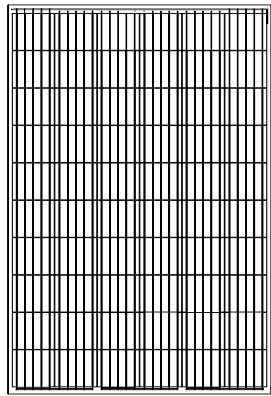
# TECHNICAL DATASHEET

**PIX MP3 60 300-335**

**MONO CRYSTALLINE PERC PV MODULES**



## MECHANICAL DIAGRAMS



## MECHANICAL DATA

Cells specifications (Number, Type, Size)	60 (6X10), 5BB Mono Crystalline PERC cells, 158.75mm X 158.75mm
Module Dimensions	1673mm X 1000mm X 35mm
Weight	20 kg
Front glass	High transmission Low iron tempered glass, AR coated, 3.2 mm (T)
Embedding	Low shrinkage PID resistance EVA
Back sheet	PVDF
Junction box	IP67/IP68, 4-Rail
Number of diodes	3 Bypass diodes of 15A
Cables & Connectors	Cable length 1200mm, Ø 4mm <sup>2</sup> & MC-4 Connectors
Frame	Anodized Aluminum Silver Frame (Black available on request)

## ELECTRICAL DATA (ALL DATA REFERS TO STC (TESTED DATA BASE ON STC : 25°C, 1.5AM, 1000 W/m<sup>2</sup>))

	Pmax [Wp]	300	305	310	315	320	325	330	335
Peak Power	Pmax [Wp]	300	305	310	315	320	325	330	335
Module efficiency	$\eta$ [%]	17.94	18.24	18.53	18.83	19.13	19.43	19.73	20.03
Open-circuit voltage	Voc [V]	39.06	39.18	39.36	39.54	39.78	39.96	40.14	40.62
Short-circuit current	Isc [A]	10.00	10.08	10.19	10.23	10.27	10.32	10.41	10.42
Max Rated voltage	Vmp [V]	33.30	33.42	33.66	33.84	34.02	34.20	34.44	34.68
Max Rated current	Imp [A]	9.01	9.13	9.21	9.31	9.41	9.51	9.59	9.67

1) STC: 1000 W/m<sup>2</sup> irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.  
 2) NOCT: 800 W/m<sup>2</sup> irradiance, 20°C cell temperature, AM 1.5g spectrum according to EN 60904-3.

3) Average relative efficiency reduction of 5% at 200 W/m<sup>2</sup> according to EN 60904-1.

## ELECTRICAL PARAMETERS AT NOCT

	Pmax [Wp]	220.37	224.06	227.72	231.35	235.05	238.73	242.43	246.16
Peak Power	Pmax [Wp]	220.37	224.06	227.72	231.35	235.05	238.73	242.43	246.16
Open-circuit voltage	Voc [V]	36.57	36.68	36.85	37.02	37.24	37.41	37.58	38.03
Short-circuit current	Isc [A]	8.00	8.06	8.15	8.19	8.22	8.26	8.33	8.34
Rated voltage	Vmp [V]	31.18	31.29	31.51	31.68	31.85	32.02	32.24	32.47
Rated current	Imp [A]	7.21	7.30	7.37	7.45	7.53	7.60	7.67	7.73

## THERMAL DATA

Tc of open circuit voltage ( $\beta$ )	-0.2885% / °C
Tc short-circuit current ( $\alpha$ )	0.0576% / °C
Tc rated power ( $\delta$ )	-0.3797% / °C
NOCT (Normal Operating Cell Temperature)	45°C ± 2°C
Temperature range	-40°C to 85°C

## PERMISSIBLE OPERATING CONDITIONS

Max. system voltage	1500 V DC
Max. reverse current / fuse rating	15 A (IEC) / 20 A (UL)
Protection class	Class A (Safety Class II)
Mechanical load capacity	5400 Pa (Snow Load), 2400 Pa (Wind Load)

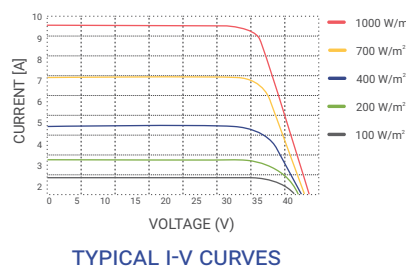
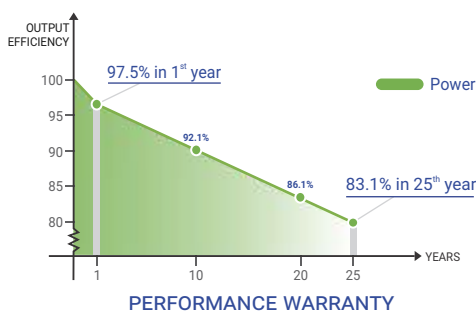
## PACKAGING INFORMATION

No. of modules per pallet	31
No. of pallets per container (40 HC)	28
Pallet dimensions (in mm)	1703 X 1151 X 1170 (L X W X H)
Pallet weight	680 kg

## WARRANTY

Product warranty	10 years
Performance warranty	Linear power warranty for 25 years with 2.5% for 1st year degradation and 0.60% from year 2 to year 25

## CHARACTERISTIC GRAPH



**Note:**

- Due to continuous updates, the specifications included in this datasheet are subject to change without notice.
- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.
- Read safety and installation manual before using the product.
- Tc=Temperature Co-efficient