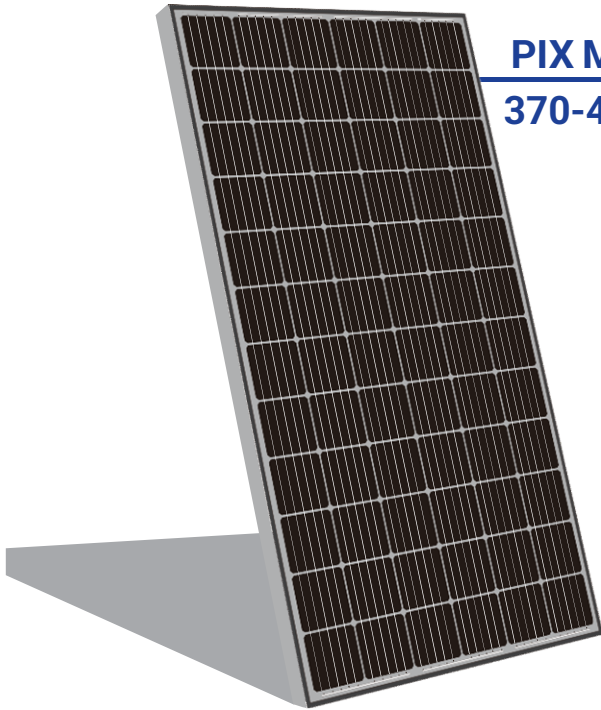


Mono Crystalline PERC PV Modules



PIX MP3 72
370-400 Wp



Power Tolerance
+4.99Wp



Efficiency Upto
20.15 %



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

ABOUT NEXTRON

Nextron Energy is a pioneering force in the solar and renewable energy industry, invaluable experience. We are committed to making a significant impact in the realm of sustainable energy solutions. We take pride in our top-notch range of solar modules, meticulously designed in India using cutting-edge European technology. At Nextron Energy, we prioritize innovation and sustainability, offering modules that are rigorously tested in our in-house PV Module Test Lab.

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

NEXTRON ENERGY

Address Office: 466/137, Hardoi Road, Peer Bukhara,
Lucknow
Uttar Pradesh 226003.

TECHNICAL DATASHEET

MONOFACIAL G1 SERIES

PIX MP3 72 400

G1

400W

20.15%

+4.99Wp

<2.5%

Mono Crystalline Perc PV Modules

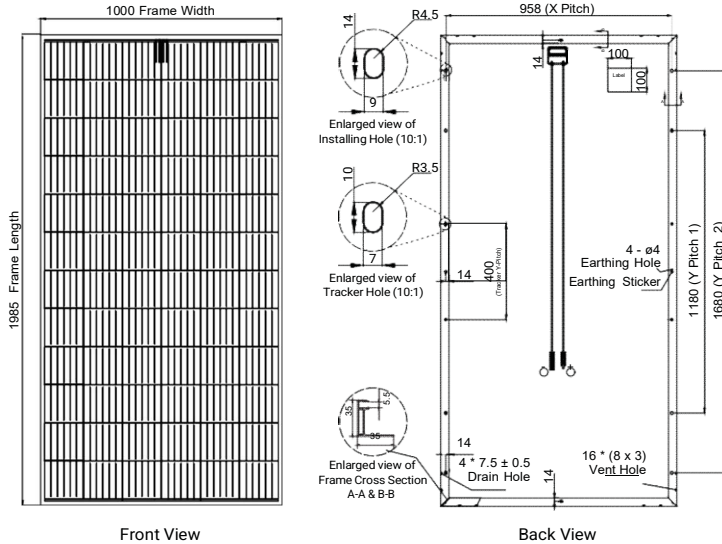
**5 BB
FULL CELL**

**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) | 72 Cells, 158.75 mm X 158.75 mm |
| Module Dimensions | 1985 mm X 1000 mm X 35 mm |
| Weight | 22 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] | 370 | 375 | 380 | 385 | 390 | 395 | 400 |
| Module Efficiency | η [%] | 18.64 | 18.89 | 19.14 | 19.40 | 19.65 | 19.90 | 20.15 |
| Open-Circuit Voltage | Voc [V] | 47.16 | 47.38 | 47.52 | 47.74 | 47.95 | 48.17 | 48.53 |
| Short-Circuit Current | Isc [A] | 10.15 | 10.18 | 10.25 | 10.27 | 10.32 | 10.36 | 10.40 |
| Max Rated Voltage | Vmp [V] | 40.25 | 40.31 | 40.61 | 40.82 | 41.04 | 41.33 | 41.69 |
| Max Rated Current | Imp [A] | 9.20 | 9.31 | 9.36 | 9.44 | 9.51 | 9.56 | 9.60 |

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

| | | | | | | | | |
|-----------------------|-----------|--------|--------|--------|--------|--------|--------|--------|
| Peak Power | Pmax [Wp] | 274.45 | 278.15 | 281.72 | 285.60 | 289.27 | 292.84 | 296.63 |
| Open-Circuit Voltage | Voc [V] | 44.25 | 44.45 | 44.58 | 44.79 | 44.99 | 45.19 | 45.53 |
| Short-Circuit Current | Isc [A] | 8.22 | 8.25 | 8.30 | 8.32 | 8.36 | 8.39 | 8.42 |
| Rated Voltage | Vmp [V] | 37.76 | 37.82 | 38.10 | 38.30 | 38.50 | 38.78 | 39.11 |
| Rated Current | Imp [A] | 7.27 | 7.35 | 7.39 | 7.46 | 7.51 | 7.55 | 7.58 |

PACKAGING CONFIGURATION

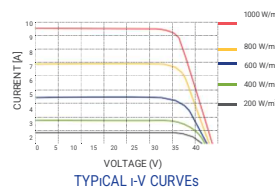
| | |
|---------------------------|------------|
| Modules per Box | 31 Pieces |
| Modules per 40' Container | 682 Pieces |

WARRANTY

| | |
|----------------------|--------------------------------|
| Product Warranty | 10 Years |
| Performance Warranty | 25 Years Linear Power Warranty |

CERTIFICATIONS

ALMM



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