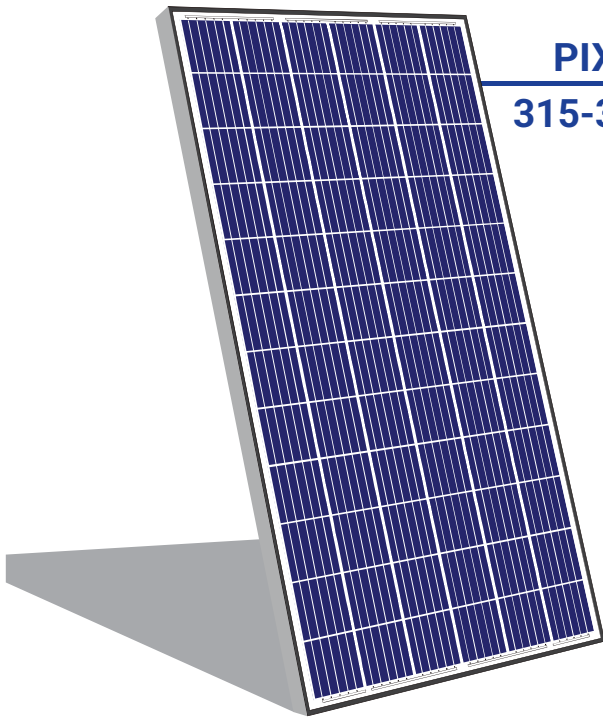


Poly Crystalline PV Modules



PIX P2 72
315-340 Wp



Power Tolerance
+4.99Wp



Efficiency Upto
17.46 %



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 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 M2 SERIES

PIX P2 72 340

M2

340W

17.46%

+4.99Wp

<2.5%

Poly Crystalline PV Modules

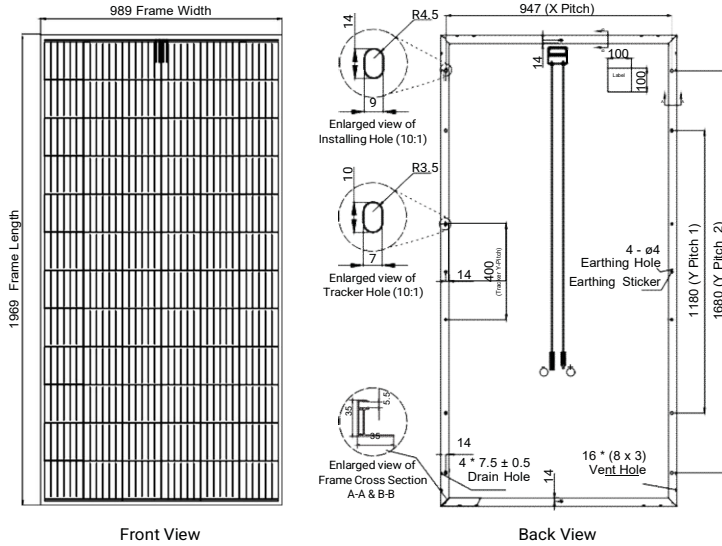
5 BB
FULL CELL

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, 157 mm X 157 mm
Module Dimensions	1969 mm X 989 mm X 35 mm
Weight	21 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]	315	320	325	330	335	340
Module Efficiency	η [%]	16.18	16.43	16.69	16.95	17.20	17.46
Open-Circuit Voltage	Voc [V]	44.21	44.49	44.86	45.21	45.58	46.29
Short-Circuit Current	Isc [A]	9.28	9.33	9.36	9.41	9.46	9.56
Max Rated Voltage	Vmp [V]	36.94	37.37	37.66	38.02	38.45	38.74
Max Rated Current	Imp [A]	8.53	8.57	8.64	8.68	8.72	8.78

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

Peak Power	Pmax [Wp]	233.54	237.37	241.16	244.59	248.50	252.10
Open-Circuit Voltage	Voc [V]	41.48	41.74	42.09	42.42	42.76	43.43
Short-Circuit Current	Isc [A]	7.52	7.56	7.58	7.62	7.66	7.74
Rated Voltage	Vmp [V]	34.66	35.06	35.33	35.67	36.07	36.35
Rated Current	Imp [A]	6.74	6.77	6.83	6.86	6.89	6.94

PACKAGING CONFIGURATION

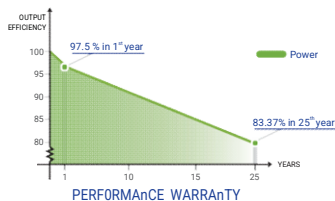
Modules per Box	31 Pieces
Modules per 40' Container	744 Pieces

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%

