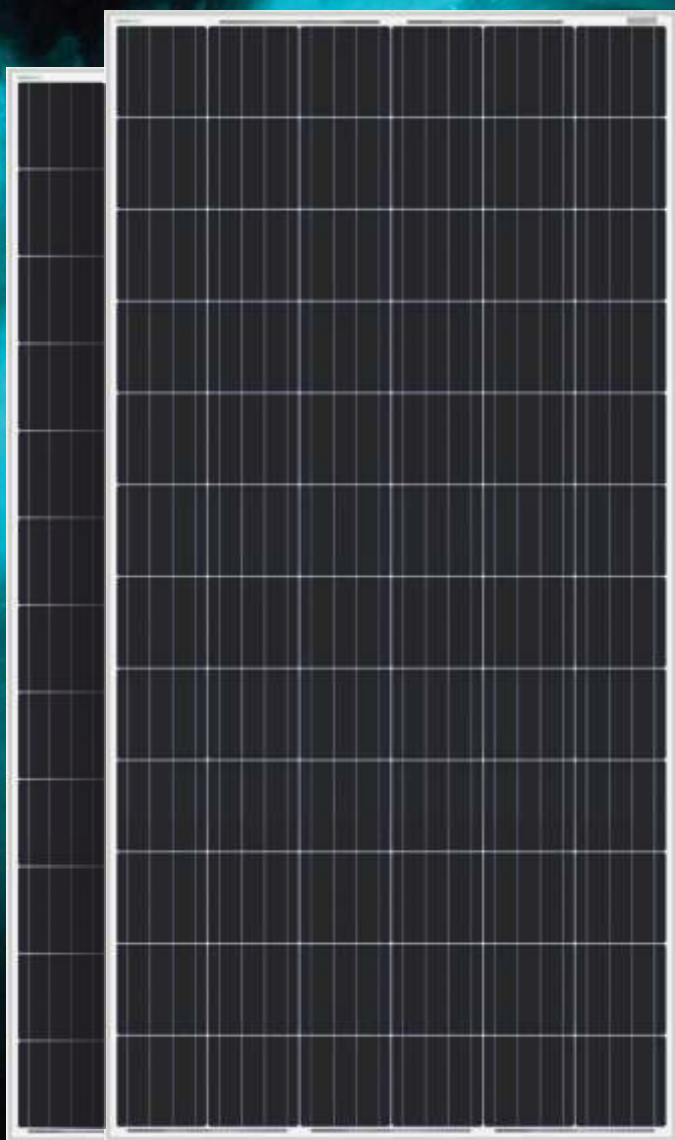




VEGA SERIES

POLYCRYSTALLINE SOLAR MODULES | 72 CELLS



Key Features

- High conversion efficiency
- 1500 V module
- Only positive power output tolerance
- Excellent performance in low light and low irradiance.
- 100% EL Inspected to ensure micro crack free modules.
- AR Coated high Transmission Glass
- Resistant to PID, LID and Salt-Mist/Ammonia corrosion
- Hotspot and defect free modules.
- Certified to withstand harsh environmental conditions.
- 25 years of linear output power warranty.

POLY 72 CELLS MODULE

MODEL TYPE	NOVA 310P72	NOVA 315P72	NOVA 320P72	NOVA 322.5P72	NOVA 325P72	NOVA 327.5P72	NOVA 330P72	NOVA 332.5P72	NOVA 335P72
Cell Type	POLY-72 CELLS	POLY-72 CELLS	POLY-72 CELLS	POLY-72 CELLS	POLY-72 CELLS	POLY-72 CELLS	POLY-72 CELLS	POLY-72 CELLS	POLY-72 CELLS
MAXIMUM POWER(P _{max}) Wp	310	315	320	322.5	325	327.5	330	332.5	335
MAXIMUM POWER VOLTAGE (V _{mp}) V	36.85	37.30	37.71	37.78	37.86	38.00	38.07	38.10	38.13
MAXIMUM POWER CURRENT(I _{mp}) A	8.42	8.45	8.51	8.54	8.60	8.62	8.69	8.74	8.79
OPEN CIRCUIT VOLTAGE(V _{oc}) V	45.2	45.30	45.70	45.74	45.88	46.02	46.12	46.17	46.25
SHORT CIRCUIT CURRENT(I _{sc}) A	8.9	8.93	9.01	9.04	9.08	9.10	9.16	9.21	9.25
MODULE EFFICIENCY (>) %	15.85	16.11	16.37	16.49	16.62	16.75	16.88	17.01	17.13

Electrical Parameters At NOCT

MAXIMUM POWER(P _{max}) Wp	229	233	237	239	241	242	245	246	248
MAXIMUM POWER VOLTAGE (V _{mp}) V	33.58	34.32	34.70	34.76	34.83	34.96	35.03	35.06	35.08
MAXIMUM POWER CURRENT(I _{mp}) A	6.83	6.79	6.84	6.86	6.91	6.93	6.99	7.03	7.07
OPEN CIRCUIT VOLTAGE(V _{oc}) V	41.59	41.68	42.05	42.09	42.21	42.34	42.43	42.48	42.55
SHORT CIRCUIT CURRENT(I _{sc}) A	7.07	7.18	7.24	7.27	7.30	7.31	7.36	7.40	7.44

Temperature Ratings

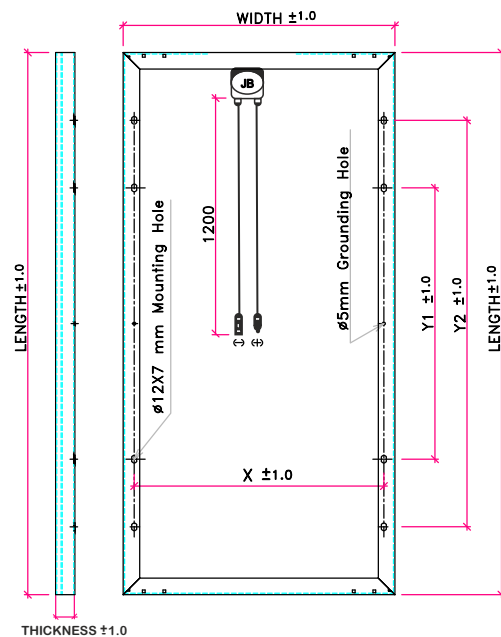
Nominal Operating Cell Temperature (NOCT)	45°C ± 2 °C
Temperature coefficient of P _{mp}	-0.39%/°C
Temperature coefficient of V _{oc}	-0.32%/°C
Temperature coefficient of I _{sc}	+0.052%/°C

Mechanical Data

Dimensions (L x W x T) mm	1960 X 990 X 35 mm
Weight (Kgs)	23 Kg
Mounting Hole Distance (X-axis) mm	(X) - 952
Mounting Hole Distance (Y-axis) mm	(Y1) -988, (Y2) - 1481

General Data

Solar Cells (mm)	157 X 157
Cell Orientation	12 X 6
Front Glass	ARC, Tempered & 3.2 mm Thickness
Frame	Anodized Aluminum Alloy
Junction Box	IP 68
Cable & Connectors	4 Sq mm, 1200 mm length with MC4 Connectors



Maximum Ratings

Operating Temperature	-40 to 85°C
Maximum System Voltage	1000 / 1500 V
Maximum Series Fuse Rating	15 A
Application Classification	A
Electrical Positive Tolerance(%)	0~3

Under Standard Test Condition (STC) of Irradiance of 1000 w/m², Spectrum AM 1.5 and Cell Temperature of 25°C.

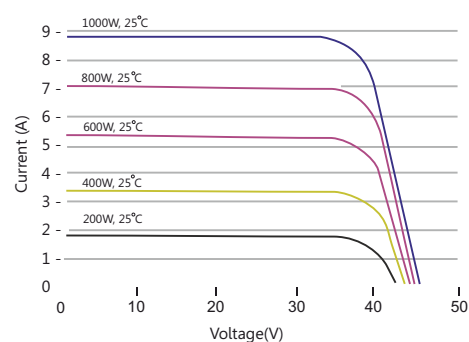
UNDER NOCT TESTING of Irradiance of 800 w/m², Spectrum AM 1.5 and Cell Temperature of 20°C.

Note: Refer to module installation instructions for maximum loading configurations.

All mechanical dimension tolerance ± 1mm.

*Listed specifications are subject to change without notice.

IV Curve



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