

INFINITY MODULE

290W-315W

60 CELL MONOCRYSTALLINE MODULE

290W-315W POWER OUTPUT RANGE

19.2% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

Apply to



home roof



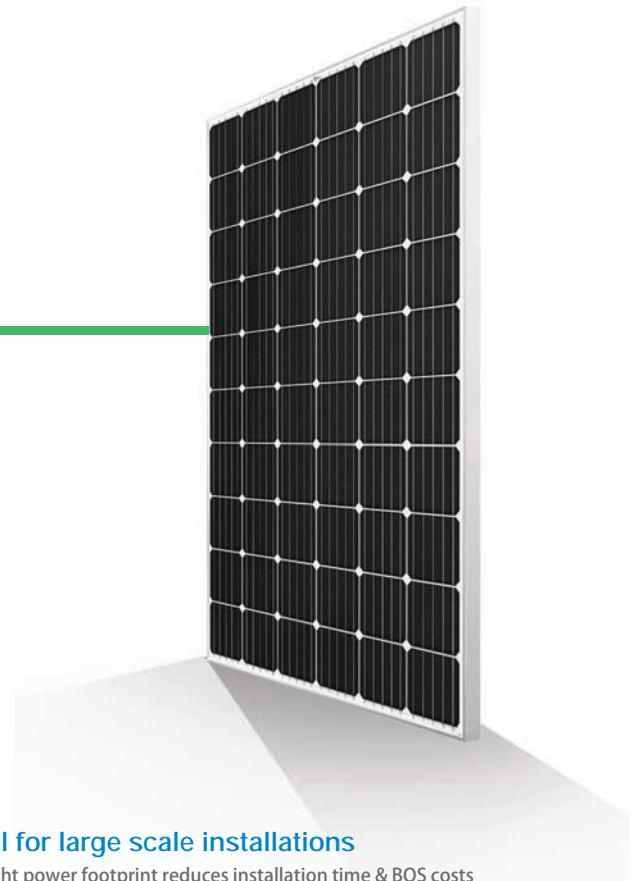
ground Power Station



Industrial and Commercial Roofs



E: info@inesolar.com
W: www.inesolar.com



Ideal for large scale installations

- High power footprint reduces installation time & BOS costs



One of the industry's most trusted modules

- Field proven performance
- Infinity NewEnergy's financial solidity consistently confirmed by banks and investors



Highly reliable due to stringent quality control

- Over 30 in-house tests(UV,HF,and many more)
- In-house testing goes well beyond certification requirements
- PID resistant

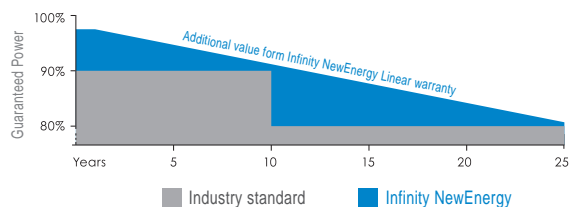


Certified to withstand challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load

LINEAR PERFORMANCE WARRANTY

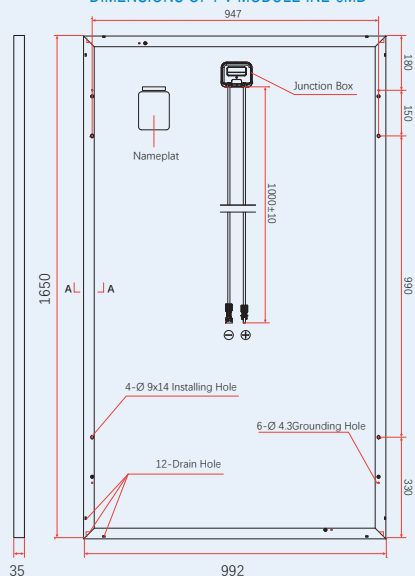
10 Year Product Warranty-25 Year Linear Power Warranty



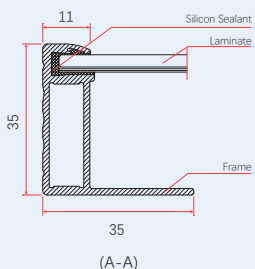
CERTIFICATION



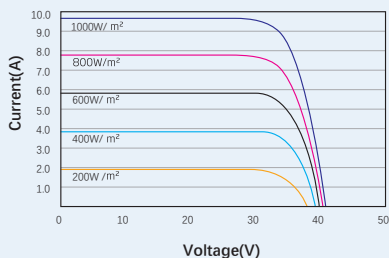
DIMENSIONS OF PV MODULE INE-6MB



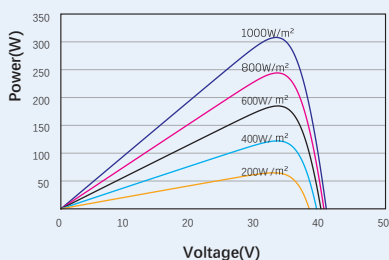
Back View



I-V CURVES OF PV MODULE(305W)



P-V CURVES OF PV MODULE(305W)



MECHANICAL DATA

Solar cells	Monocrystalline 156.75 x 156.75 mm
Cell orientation	60 cells (6 x 10)
Module dimensions	1650 x 992 x 35mm
Weight	18.2kg
Glass	High Transparency, Anti-Reflective, A R Coated and Heat Tempered Solar Glass -3.2mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 67 rated
Cables	Photovoltaic Technology cable 4.0 mm ² , 1000mm(Customized Available)
Connector	MC4 Compatible

ELECTRICAL DATA@STC

	290	295	300	305	310	315
STC: Irradiance 1000 W/m ² , Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200 W/m ² according to EN 60904-1.						
Open Circuit Voltage-V _{oc} (V)	38.9	39.6	39.8	40.0	40.2	40.5
Short Circuit Current-I _{sc} (A)	9.66	9.68	9.77	9.85	9.94	10.0
Maximum Power Voltage-V _{MPP} (V)	32.2	32.5	32.6	32.9	33.1	33.3
Maximum Power Current-I _{MPP} (A)	9.01	9.08	9.19	9.28	9.37	9.46
Peak Power Watts-P _{MAX} (Wp)	290	295	300	305	310	315

ELECTRICAL DATA@NOCT

	290	295	300	305	310	315
NOCT: Irradiance at 800 W/m ² , Ambient Temperature 20°C, Wind Speed 1 m/s						
Maximum Power-P _{MAX} (Wp)	216	220	223	227	231	235
Maximum Power Voltage-V _{MPP} (V)	29.9	30.1	30.2	30.5	30.7	30.9
Maximum Power Current-I _{MPP} (A)	7.24	7.30	7.38	7.46	7.53	7.60
Open Circuit Voltage-V _{oc} (V)	36.2	36.8	37.0	37.2	37.4	37.6
Short Circuit Current-I _{sc} (A)	7.80	7.82	7.89	7.95	8.03	8.10

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)	Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of P _{MAX}	-0.39%/°C	Temperature Coefficient of I _{sc}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40 to +85°C	Max Series Fuse Rating	15A
Maximum System Voltage	1000V DC (IEC)		

WARRANTY

10 year workmanship warranty
25 year linear performance warranty
(Please refer to product warranty for details)

DEALER INFORMATION

