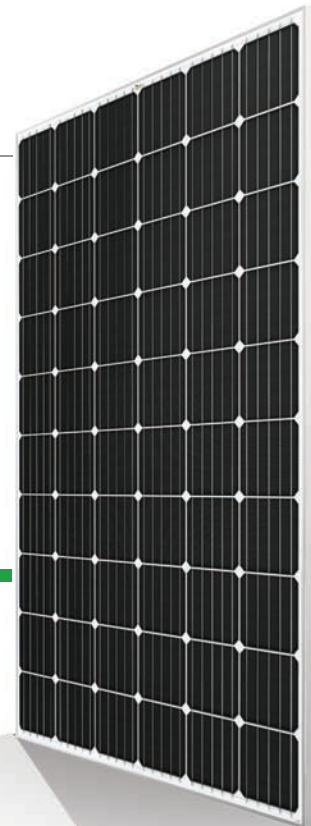


INFINITY MODULE

6MB SERIES
275W-300W

MONOCRYSTALLINE SOLAR MODULE



60 CELL

MONOCRYSTALLINE MODULE

275W-300W

POWER OUTPUT RANGE

18.3%

MAXIMUM EFFICIENCY

0 to +5%

POSITIVE POWER TOLERANCE



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



Certified to withstand challenging environmental conditions

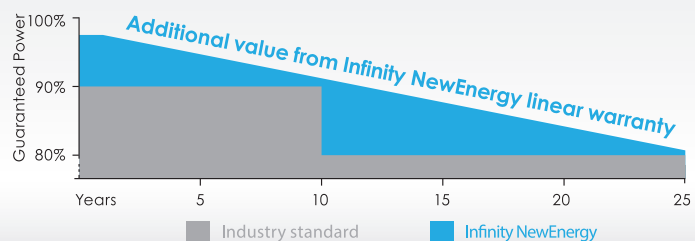
- 2400 Pa wind load
- 5400 Pa snow load

CERTIFICATION

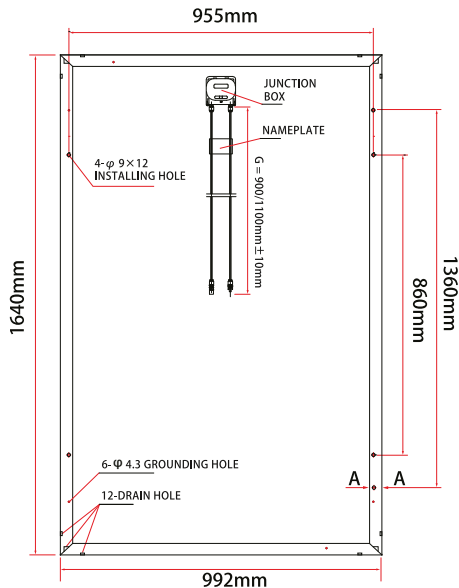


LINEAR PERFORMANCE WARRANTY

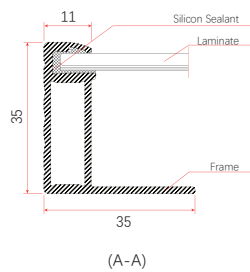
10 Year Product Warranty • 25 Year Linear Power Warranty



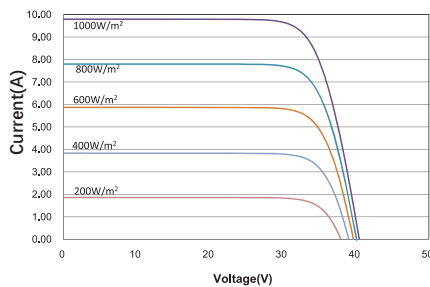
DIMENSIONS OF PV MODULE INE-6MB



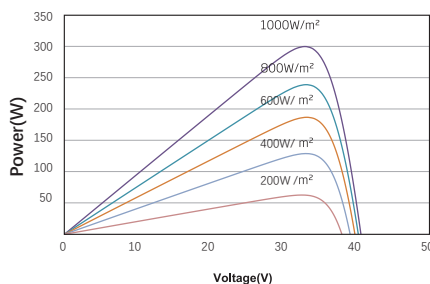
Back View



I-V CURVES OF PV MODULE(300W)



P-V CURVES OF PV MODULE(300W)



ELECTRICAL DATA @ STC

	275	280	285	290	295	300
Peak Power Watts- P_{MAX} (Wp)	275	280	285	290	295	300
Power Output Tolerance- P_{MAX} (%)	0~+5					
Maximum Power Voltage- V_{MPP} (V)	31.5	31.7	31.8	32.2	32.5	32.6
Maximum Power Current- I_{MPP} (A)	8.70	8.84	8.97	9.01	9.08	9.19
Open Circuit Voltage- V_{OC} (V)	38.0	38.4	38.5	38.9	39.6	39.8
Short Circuit Current- I_{SC} (A)	9.33	9.42	9.51	9.66	9.68	9.77
Module Efficiency η_m (%)	17.7	17.1	17.4	17.7	18.0	18.3

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

ELECTRICAL DATA @ NOCT

	275	280	285	290	295	300
Maximum Power- P_{MAX} (Wp)	206	209	212	216	220	223
Maximum Power Voltage- U_{MPP} (V)	29.2	29.4	29.5	29.9	30.1	30.2
Maximum Power Current- I_{MPP} (A)	6.98	7.10	7.21	7.24	7.30	7.38
Open Circuit Voltage- U_{OC} (V)	35.4	35.7	35.8	36.2	36.8	37.0
Short Circuit Current- I_{SC} (A)	7.56	7.61	7.68	7.80	7.82	7.89

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75x 156.75mm
Cell Orientation	60 cells (6 x 10)
Module Dimensions	1640x 992 x 35 mm
Weight	18.2 kg
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	TL-CABLE01

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44 °C (±2 °C)
Temperature Coefficient of P_{MAX}	-0.39%/ °C
Temperature Coefficient of V_{OC}	-0.29%/ °C
Temperature Coefficient of I_{SC}	0.05%/ °C

MAXIMUM RATINGS

Operational Temperature	-40 to +85 °C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	20A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION

Modules per box	30 pieces
Modules per 40' container	840 pieces

WARRANTY

10 year Product Workmanship Warranty	
25 year Linear Performance Warranty	

(Please refer to product warranty for details)

Dealer Information