

INFINITY MODULE

300W
6PA SERIES
300W-315W

POLYCRYSTALLINE SOLAR MODULE



72 CELL
MULTICRYSTALLINE MODULE

300-315W
POWER OUTPUT RANGE

16.3%
MAXIMUM EFFICIENCY

0 to +5%
POSITIVE POWER TOLERANCE

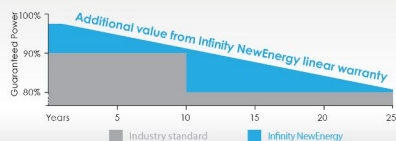
CERTIFICATION



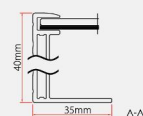
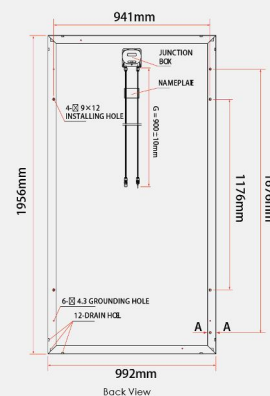
www.infinitynewenergy.com

- 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, TC, 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
 - 25 mm hail stones at 82 km/h

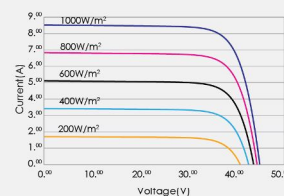
LINEAR PERFORMANCE WARRANTY
12 Year Product Warranty • 25 Year Linear Power Warranty



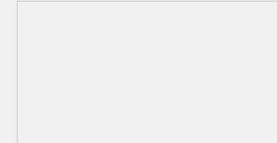
DIMENSIONS OF PV MODULE INE-6PA



I-V CURVES OF PV MODULE INE-6PA



Dealer Information



Infinity New Energy Co., Ltd
Add.:Jintao Road,Zhouzhuang,Jiangyin City,
Jiangsu Province,China 214423

ELECTRICAL DATA @ STC	INE-300-6PA	INE-305-6PA	INE-310-6PA	INE-315-6PA
Peak Power Watts- P_{max} (Wp)	300	305	310	315
Power Output Tolerance- P_{max} (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{mp} (V)	36.2	36.6	37.0	37.4
Maximum Power Current- I_{mp} (A)	8.28	8.33	8.38	8.43
Open Circuit Voltage- V_{oc} (V)	45.4	45.5	45.5	45.5
Short Circuit Current- I_{sc} (A)	8.77	8.81	8.85	8.92
Module Efficiency η_m (%)	15.5	15.7	16.0	16.3

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	INE-300-6PA	INE-305-6PA	INE-310-6PA	INE-315-6PA
Maximum Power- P_{max} (Wp)	223	227	231	234
Maximum Power Voltage- V_{mp} (V)	33.5	33.8	34.1	34.4
Maximum Power Current- I_{mp} (A)	6.66	6.72	6.77	6.83
Open Circuit Voltage- V_{oc} (V)	42.1	42.2	42.2	42.2
Short Circuit Current- I_{sc} (A)	7.08	7.11	7.15	7.18

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

MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156 mm
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 × 992 × 40 mm
Weight	27.6 kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 4.0mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 67 rated
Cables	Photovoltaic Technology cable 4.0 mm ² , 900mm(Customized Available)
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°K)
Temperature Coefficient of P_{max}	-0.41%/K
Temperature Coefficient of V_{oc}	-0.32%/K
Temperature Coefficient of I_{sc}	0.05%/K

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	15A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION

Modules per box:	28 pieces/22 pieces
Modules per 40' container:	660 pieces

WARRANTY

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

INSURANCE

Product liability insurance with CHUBB Group
Product performance [E&O] Insurance CHUBB Group

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Infinity NewEnergy - Make Things Better