

310W 6PA SERIES 310W-325W

POLYCRYSTALLINE SOLAR MODULE

72 CELL
MULTICRYSTALLINE MODULE

310-325W
POWER OUTPUT RANGE

16.8%
MAXIMUM EFFICIENCY

0 to +5%
POSITIVE POWER TOLERANCE

CERTIFICATION



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

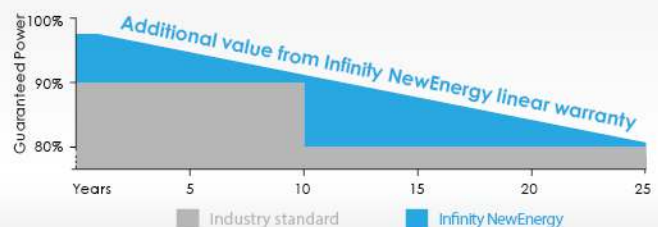


Certified to withstand challenging environmental conditions

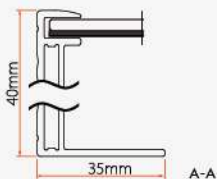
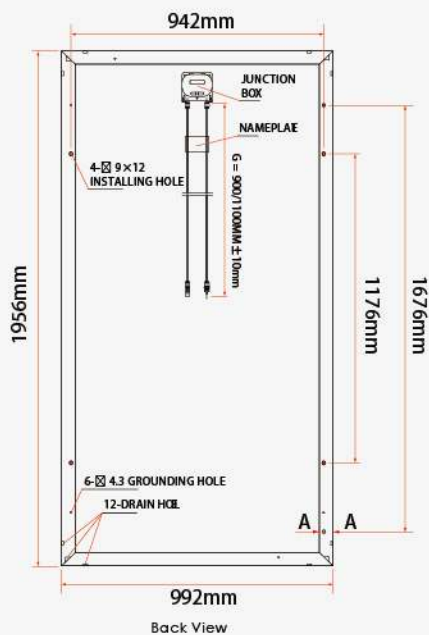
- 2400 Pa wind load
- 5400 Pa snow load
- 25 mm hail stones at 82 km/h

LINEAR PERFORMANCE WARRANTY

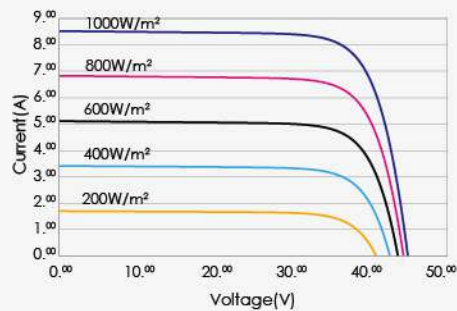
12 Year Product Warranty • 25 Year Linear Power Warranty



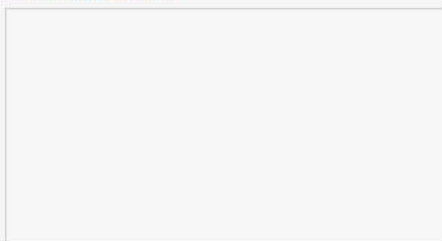
DIMENSIONS OF PV MODULE INE-6PA



I-V CURVES OF PV MODULE INE-6PA



Dealer Information



ELECTRICAL DATA @ STC

	INE-310-6PA	INE-315-6PA	INE-320-6PA	INE-325-6PA
Peak Power Watts- P_{MAX} (Wp)	310	315	320	325
Power Output Tolerance- P_{MAX} (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{MPP} (V)	37.0	37.1	37.1	37.2
Maximum Power Current- I_{MPP} (A)	8.38	8.43	8.63	8.76
Open Circuit Voltage- V_{oc} (V)	45.5	45.6	45.8	45.9
Short Circuit Current- I_{sc} (A)	8.85	8.92	9.10	9.25
Module Efficiency η_m (%)	16.0	16.3	16.5	16.8

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-310-6PA	INE-315-6PA	INE-320-6PA	INE-325-6PA
Maximum Power- P_{MAX} (Wp)	231	234	238	242
Maximum Power Voltage- V_{MPP} (V)	34.1	34.3	34.4	34.5
Maximum Power Current- I_{MPP} (A)	6.77	6.83	6.91	7.02
Open Circuit Voltage- U_{oc} (V)	42.2	42.3	42.5	42.6
Short Circuit Current- I_{sc} (A)	7.15	7.27	7.35	7.47

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 x 992 x 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: 26 pieces
Modules per 40' container: 572 pieces
Modules per box: 26 pieces
Modules per 40' container: 646 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