

tiv-energy MODULE

380W-405W

72 CELL

MONOCRYSTALLINE MODULE

380W-405W

POWER OUTPUT RANGE

20.4%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Apply to



home roof



ground Power Station



Industrial and Commercial Roofs

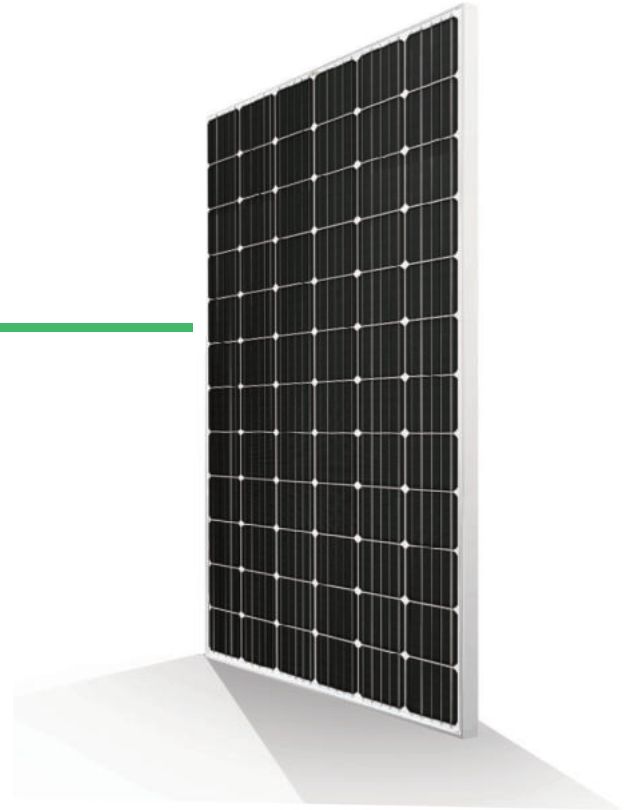
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TECINNOVA

ASIA



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

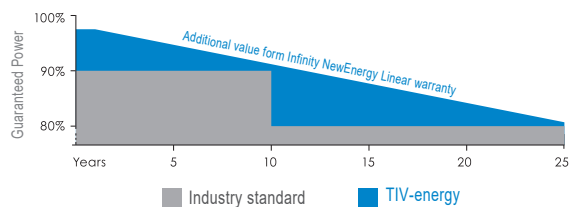


Certified to withstand challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load

LINEAR PERFORMANCE WARRANTY

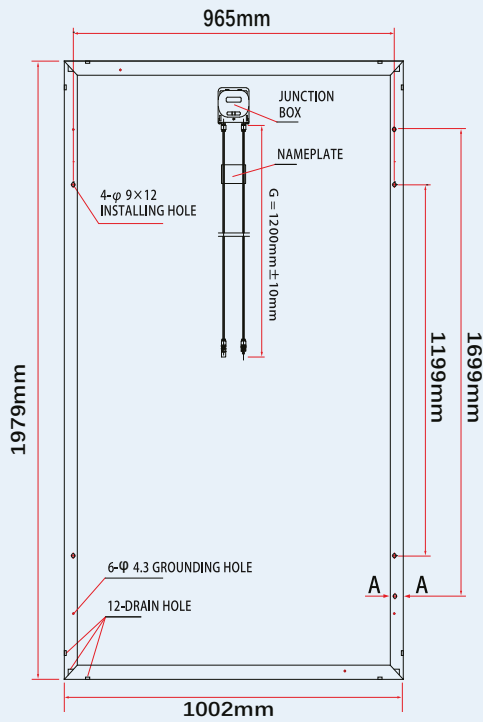
10 Year Product Warranty-25 Year Linear Power Warranty



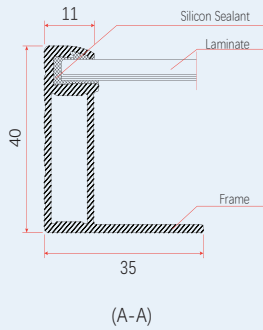
CERTIFICATION



DIMENSIONS OF PV MODULE INE-6MA

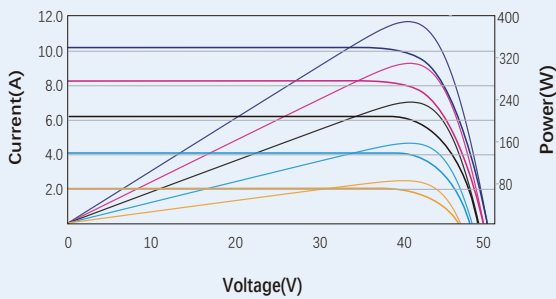


Back View



(A-A)

Current-Voltage & Power-Voltage Curves(390W)



MECHANICAL DATA

| | |
|-------------------|---|
| Solar cells | Monocrystalline 158.75 x 158.75 mm |
| Cell orientation | 72 cells (6 x 12) |
| Module dimensions | 1979 x 1002 x 40 mm |
| Weight | 22.3 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 68 rated |
| Cables | Photovoltaic Technology cable 4.0 mm ² , 1200mm(Customized Available) |
| Connector | MC4 Compatible |

ELECTRICAL DATA@STC

| | 380 | 385 | 390 | 395 | 400 | 405 |
|--|------|-------|-------|-------|-------|-------|
| 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) | 48.9 | 49.2 | 49.5 | 49.8 | 50.1 | 50.4 |
| Short Circuit Current-I _{sc} (A) | 9.99 | 10.03 | 10.08 | 10.13 | 10.18 | 10.23 |
| Maximum Power Voltage-V _{MPP} (V) | 39.6 | 40.1 | 40.5 | 40.8 | 41.1 | 41.4 |
| Maximum Power Current-I _{MPP} (A) | 9.59 | 9.61 | 9.64 | 9.69 | 9.74 | 9.79 |
| Module Efficiency (%) | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.4 |

ELECTRICAL DATA@NOCT

| | 380 | 385 | 390 | 395 | 400 | 405 |
|---|------|------|------|------|------|------|
| NOCT: Irradiance at 800 W/m ² , Ambient Temperature 20°C, Wind Speed 1 m/s | | | | | | |
| Maximum Power-P _{MAX} (Wp) | 281 | 285 | 289 | 293 | 296 | 300 |
| Maximum Power Voltage-V _{MPP} (V) | 36.6 | 37.0 | 37.4 | 37.7 | 38.0 | 38.2 |
| Maximum Power Current-I _{MPP} (A) | 7.67 | 7.70 | 7.73 | 7.77 | 7.81 | 7.85 |
| Open Circuit Voltage-V _{oc} (V) | 45.6 | 45.9 | 46.2 | 46.5 | 46.8 | 47.0 |
| Short Circuit Current-I _{sc} (A) | 8.05 | 8.08 | 8.12 | 8.16 | 8.20 | 8.24 |

TEMPERATURE RATINGS

| | | | |
|---|-------------|--|-----------|
| Nominal Operating Cell Temperature (NOCT) | 44°C (±2°C) | Temperature Coefficient of Voc | -0.34%/°C |
| Temperature Coefficient of P _{MAX} | -0.42%/°C | Temperature Coefficient of I _{sc} | 0.047%/°C |

MAXIMUM RATINGS

| | | | |
|-------------------------|----------------|------------------------|-----|
| Operational Temperature | -40 to +85°C | Max Series Fuse Rating | 15A |
| Maximum System Voltage | 1500V DC (IEC) | | |

WARRANTY

| |
|--|
| 12 year workmanship warranty |
| 28 year linear performance warranty |
| (Please refer to product warranty for details) |

DEALER INFORMATION

