

tiv-energy MODULE

275W-295W

60 CELL

MULTICRYSTALLINE MODULE

275W-295W

POWER OUTPUT RANGE

17.7%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Apply to



home roof



ground Power Station



Industrial and Commercial Roofs

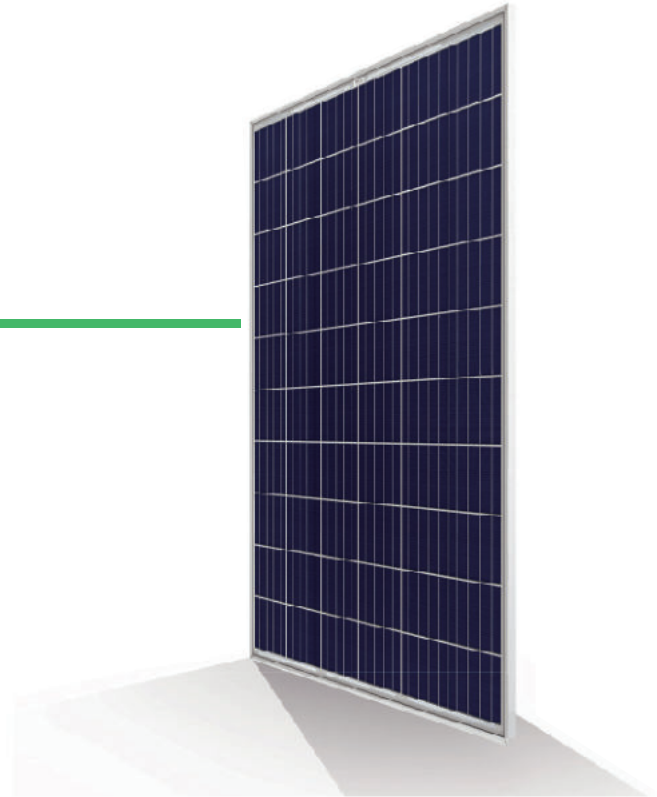
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TEGINNOVA

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

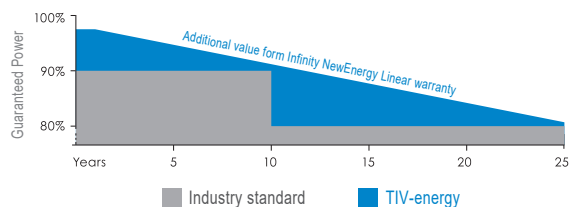


Certified to withstand challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load

LINEAR PERFORMANCE WARRANTY

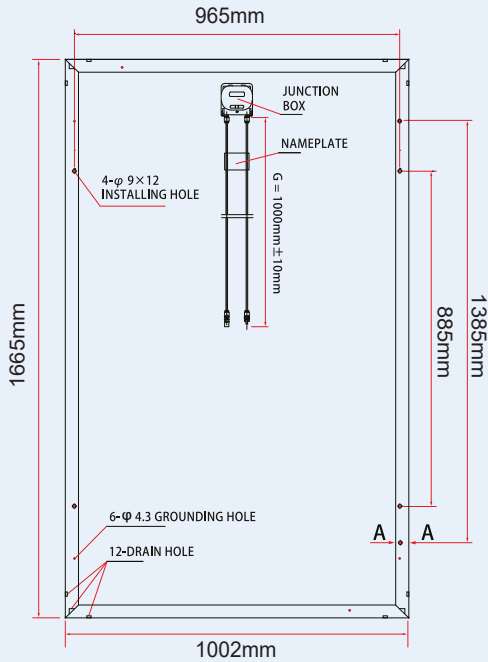
12 Year Product Warranty·28 Year Linear Power Warranty



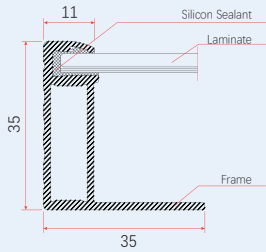
CERTIFICATION



DIMENSIONS OF PV MODULE INE-6PB

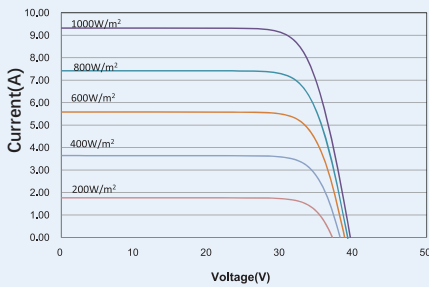


Back View

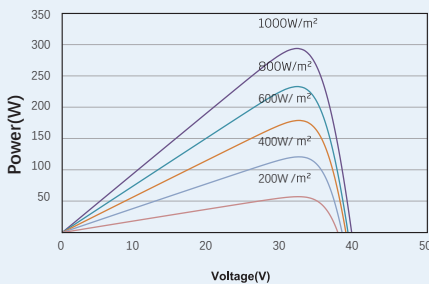


(A-A)

I-V CURVES OF PV MODULE(290W)



P-V CURVES OF PV MODULE(290W)



MECHANICAL DATA

Solar cells	Multicrystalline 158.75x 158.75mm
Cell orientation	60 cells (6 x 10)
Module dimensions	1665x 1002 x 35 mm
Weight	18.4kg
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 . 1000mm(Customized Available)
Connector	MC4 Compatible

ELECTRICAL DATA@STC

	275	280	285	290	295
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-Voc(V)	38.1	38.4	38.7	39.0	39.3
Short Circuit Current-Isc (A)	9.39	9.46	9.53	9.60	9.67
Maximum Power Voltage-V _{MPP} (V)	30.9	31.2	31.5	31.8	32.1
Maximum Power Current-I _{MPP} (A)	8.91	8.98	9.05	9.12	9.19
Module Efficiency (%)	16.5	16.8	17.1	17.4	17.7

ELECTRICAL DATA@NOCT

	275	280	285	290	295
NOCT: Irradiance at 800 W/m ² , Ambient Temperature 20°C, Wind Speed 1 m/s					
Maximum Power-P _{MAX} (Wp)	204	207	211	215	218
Maximum Power Voltage-V _{MPP} (V)	28.5	28.8	29.1	29.4	29.6
Maximum Power Current-I _{MPP} (A)	7.15	7.20	7.26	7.31	7.37
Open Circuit Voltage-Voc (V)	35.5	35.8	36.1	36.4	36.7
Short Circuit Current-Isc (A)	7.57	7.62	7.68	7.73	7.79

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 Isc	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

