

TIVenergy MODULE

320W-340W

72 CELL
MULTICRYSTALLINE MODULE

320W-340W
POWER OUTPUT RANGE

17.5%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Apply to



home roof



ground Power Station



Industrial and Commercial Roofs

TEGINNOVATION
SIMPLE SPEZIAL SOLUTIONS



Ideal for large scale installations

- High power footprint reduces installation time & BOS costs



One of the industry's most trusted modules

- Field proven performance
- Tecinnova'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

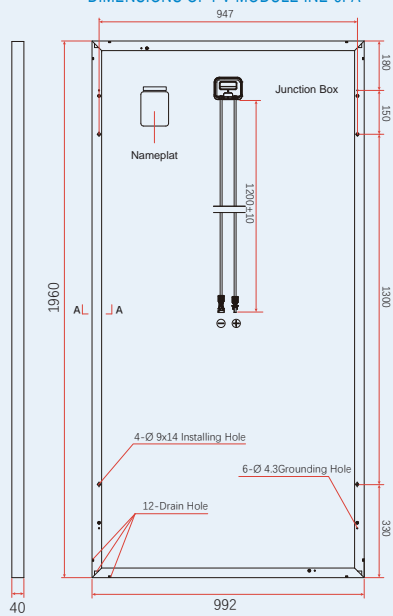
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty-25 Year Linear Power Warranty

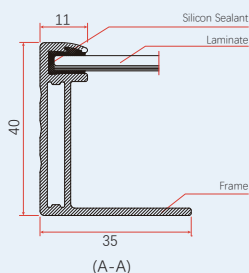
CERTIFICATION



DIMENSIONS OF PV MODULE INE-6PA

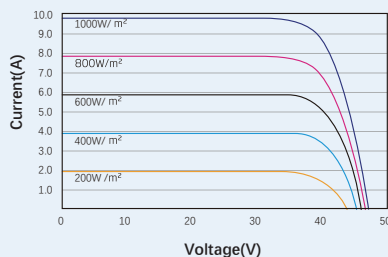


Back View

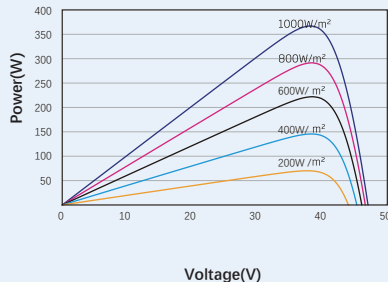


(A-A)

I-V CURVES OF PV MODULE(340W)



P-V CURVES OF PV MODULE(340W)



MECHANICAL DATA

| | |
|-------------------|---|
| Solar cells | Multicrystalline 156.75 x 156.75 mm |
| Cell orientation | 72 cells (6 x 12) |
| Module dimensions | 1960x 992 x 40 mm |
| Weight | 22.5 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 , 1200mm(Customized Available) |
| Connector | MC4 Compatible |

ELECTRICAL DATA@STC

| | 320 | 330 | 335 | 340 |
|--|-------|------|------|------|
| 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) | 46.53 | 45.8 | 46.0 | 46.2 |
| Short Circuit Current-Isc (A) | 9.22 | 9.28 | 9.35 | 9.42 |
| Maximum Power Voltage-V _{MPP} (V) | 36.78 | 37.4 | 37.6 | 37.8 |
| Maximum Power Current-I _{MPP} (A) | 8.7 | 8.83 | 8.91 | 8.99 |
| Peak Power Watts-P _{MAX} (Wp) | 320 | 330 | 335 | 340 |

ELECTRICAL DATA@NOCT

| | 320 | 330 | 335 | 340 |
|---|------|------|------|------|
| NOCT: Irradiance at 800 W/m ² , Ambient Temperature 20°C, Wind Speed 1 m/s | | | | |
| Maximum Power-P _{MAX} (Wp) | 241 | 245 | 249 | 252 |
| Maximum Power Voltage-V _{MPP} (V) | 34.4 | 34.6 | 34.8 | 35.0 |
| Maximum Power Current-I _{MPP} (A) | 7.00 | 7.08 | 7.14 | 7.21 |
| Open Circuit Voltage-Voc (V) | 42.2 | 42.4 | 42.6 | 42.8 |
| Short Circuit Current-Isc (A) | 7.42 | 7.49 | 7.55 | 7.60 |

TEMPERATURE RATINGS

| | | | |
|---|-------------|--------------------------------|-----------|
| Nominal Operating Cell Temperature (NOCT) | 44°C (±2°C) | Temperature Coefficient of Voc | -0.32%/°C |
| Temperature Coefficient of P _{MAX} | -0.41%/°C | Temperature Coefficient of Isc | 0.05%/°C |

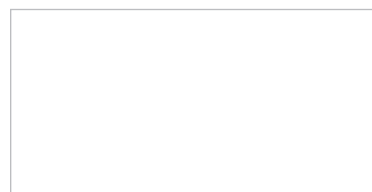
MAXIMUM RATINGS

| | | | |
|-------------------------|----------------|------------------------|-----|
| Operational Temperature | -40 to +85°C | Max Series Fuse Rating | 15A |
| Maximum System Voltage | 1000V DC (IEC) | | |

WARRANTY

| |
|--|
| 10 year workmanship warranty |
| 25 year linear performance warranty |
| (Please refer to product warranty for details) |

DEALER INFORMATION



this datasheet is current: 11.11.2019

