

Mono

Multi

Solutions

THE TALLMAX^M PLUS⁺ MODULE



72 CELL
MONOCRYSTALLINE MODULE

325-345W
POWER OUTPUT RANGE

17.8%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

As a leading global manufacturer of next generation photovoltaic products, we believe close cooperation with our partners is critical to success. With local presence around the globe, Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners as the backbone of our shared success in driving Smart Energy Together.

Trina Solar Limited
www.trinasolar.com



Maximize limited space with top-end efficiency

- Up to 178 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures



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

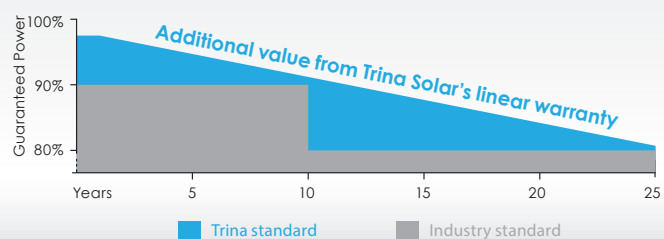


Certified to withstand challenging environmental conditions

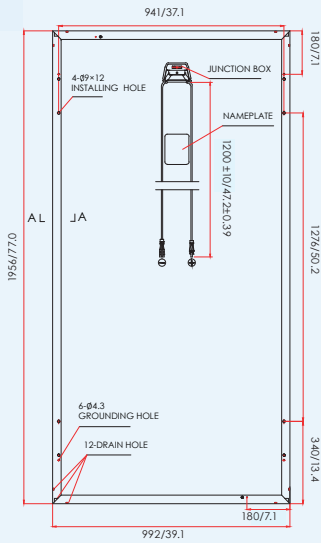
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

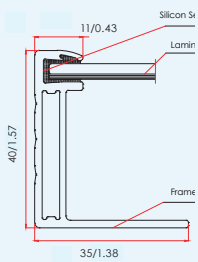
10 Year Product Warranty • 25 Year Linear Power Warranty



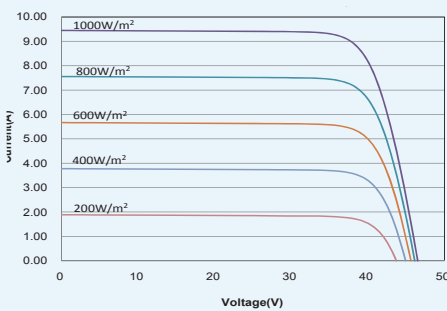
DIMENSIONS OF PV MODULE
unit:mm/in



Back View



I-V CURVES OF PV MODULE(340W)



CERTIFICATION



ELECTRICAL DATA (STC)

Peak Power Watts-P _{MAX} (Wp)	325	330	335	340	345
Power Output Tolerance-P _{MAX} (W)	0~+5				
Maximum Power Voltage-V _{MPP} (V)	37.6	37.8	37.9	38.2	38.4
Maximum Power Current-I _{MPP} (A)	8.65	8.73	8.84	8.90	9.00
Open Circuit Voltage-V _{OC} (V)	46.0	46.2	46.3	46.5	46.7
Short Circuit Current-I _{SC} (A)	9.17	9.27	9.36	9.45	9.50
Module Efficiency η _m (%)	16.8	17.0	17.3	17.5	17.8

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.

ELECTRICAL DATA (NOCT)

Maximum Power-P _{MAX} (Wp)	242	246	250	253	257
Maximum Power Voltage-V _{MPP} (V)	34.8	34.9	35.1	35.2	35.5
Maximum Power Current-I _{MPP} (A)	6.97	7.04	7.12	7.19	7.25
Open Circuit Voltage-V _{OC} (V)	42.8	43.0	43.1	43.2	43.4
Short Circuit Current-I _{SC} (A)	7.41	7.49	7.56	7.63	7.67

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

MECHANICAL DATA

Solar cells	Monocrystalline 156 × 156 mm (6 inches)
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 × 992 × 40 mm (77.0 x 39.1 x 1.6 inches)
Weight	27.6 kg (61 lb)
Glass	4.0 mm (0.16 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 65 or IP 67 rated
Cables	Photovoltaic Technology cable 4.0mm ² (0.006 inches ²), 1200mm (47.2 inches)
Connector	UTX Amphenol
Fire Type	Type 1 or 2

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C(± 2°C)
Temperature Coefficient of P _{MAX}	- 0.39%/°C
Temperature Coefficient of V _{OC}	- 0.29%/°C
Temperature Coefficient of I _{SC}	0.05%/°C

MAXIMUM RATINGS

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

WARRANTY

10 year Product Workmanship Warranty

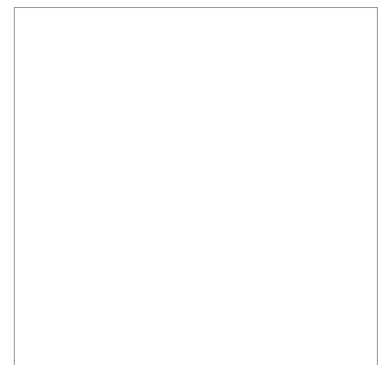
25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 26 pieces

Modules per 40' container: 572 pieces



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