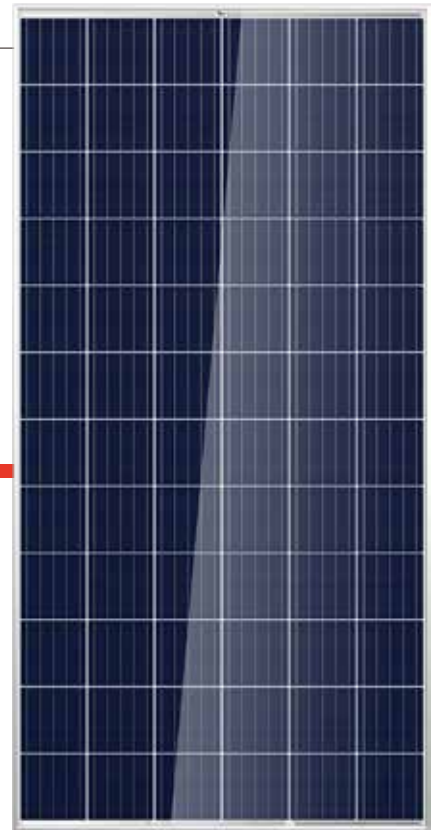


THE TALLMAX

FRAMED 72-CELL MODULE



72CELL
MULTI CRYSTALLINE

320-340W
POWER OUTPUT RANGE

17.5%
MAXIMUM EFFICIENCY

0~+5W
POWER SELECTION

Founded in 1997, Trina Solar is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. 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.

Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

ISO14064: Greenhouse gases Emissions Verification

OHSAS 18001: Occupation Health and Safety
Management System



Ideal for large scale installations

- High powerful footprint reduces installation time and BOS costs
- 1000V UL/1000V IEC certified



One of the industry's most trusted modules

- Field proven performance
- Strong, reliable supplier



Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- 100% EL double inspection
- Fire class rating C



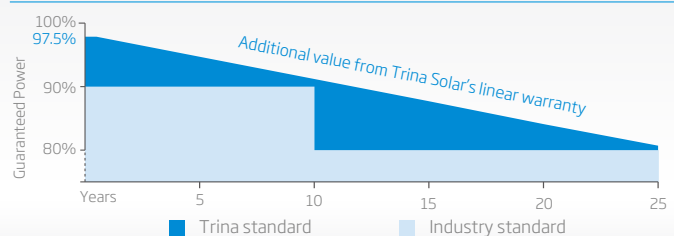
Certified to withstand the most challenging environmental conditions

- 2400 Pa negative load
- 5400 Pa positive load

*2400/5400 is the measured load, and the safety factor is 1.5 times

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Linear Power Warranty



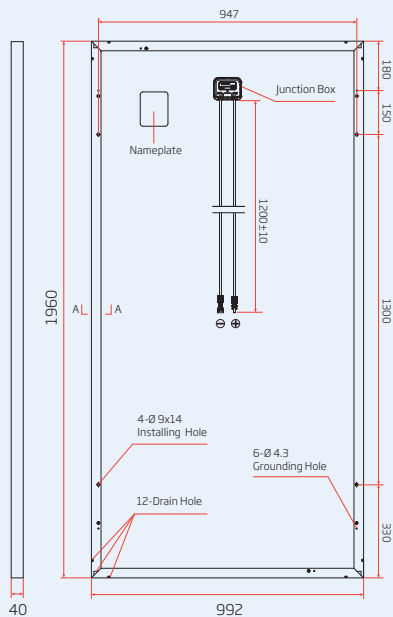
PRODUCTS

TSM-PD14

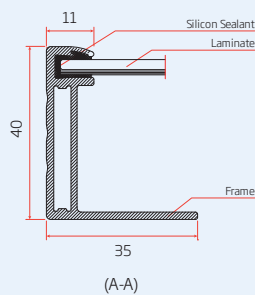
POWER RANGE

320-340W

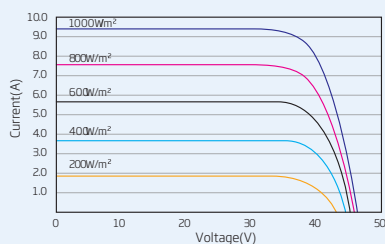
DIMENSIONS OF PV MODULE(mm)



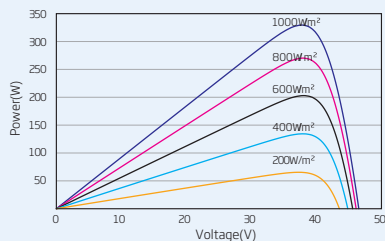
BackView



I-V CURVES OF PV MODULE(335W)



P-V CURVES OF PV MODULE(335W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	320	325	330	335	340
Power Selection- P_{MAX} (W)	0 ~ +5				
Maximum Power Voltage- V_{MPP} (V)	37.1	37.2	37.4	37.6	37.8
Maximum Power Current- I_{MPP} (A)	8.63	8.73	8.83	8.91	8.99
Open Circuit Voltage- V_{OC} (V)	45.5	45.6	45.8	46.0	46.2
Short Circuit Current- I_{SC} (A)	9.15	9.19	9.28	9.35	9.42
Module Efficiency η_m (%)	16.5	16.7	17.0	17.2	17.5

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

*Measuring tolerance: $\pm 3\%$.

ELECTRICAL DATA (NMOT)

Maximum Power- P_{MAX} (Wp)	241	244	248	252	255
Maximum Power Voltage- V_{MPP} (V)	34.7	34.9	35.1	35.3	35.5
Maximum Power Current- I_{MPP} (A)	6.94	7.00	7.07	7.13	7.19
Open Circuit Voltage- V_{OC} (V)	42.6	42.7	42.9	43.1	43.3
Short Circuit Current- I_{SC} (A)	7.38	7.41	7.48	7.54	7.60

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

MECHANICAL DATA

Solar Cells	Multicrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1960 × 992 × 40 mm (77.2 × 39.1 × 1.57 inches)
Weight	22.5 kg (49.6 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²), 1200 mm (47.2 inches)
Connector	Genuine MC4

TEMPERATURE RATINGS

NMOT (Nominal Module Operating Temperature)	41°C ($\pm 3^\circ\text{C}$)
Temperature Coefficient of P_{MAX}	- 0.41%/°C
Temperature Coefficient of V_{OC}	- 0.32%/°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

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

12 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 27 pieces
Modules per 40' container: 648 pieces